

NAVAL WEATHER SERVICE COMMAND COMMANDER

WASHINGTON NAVY YARD
Building 200 Washington, D. C. 20390

3 HOURLY OBSERVATIONS

SMOS



(Summary of Meteorological Observations, Surface)

Naval Weather Service Environmental Detachment Asheville, N. C. 28801 OFFICER IN CHARGE Federal Building Prepared by



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This data report consists of a six weather observations for Charlesto Weather Conditions/Atmospheric Phe Snow Depth, Part C - Surface Winds Sky Cover, Part E - Psychrometric Sea Level Pressure	x part statistic on, S.C. The si enomena, Part B s, Part D - Ceil	x parts - Precip ing vers	are: Part A - pitation/Snowfall/ sus Visibility/

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10	15758 Charleston, S. C.		52°50"	LATITUDE: 32°50'N	19°56'W	STATION ELEVIPTE CALL SIGN 13 KV.	RALL SIGN	0	BER:
	STATION LOCATION AND INSTRUMENTATION HISTORY	NOI	ND	ISTRI	JMENT	ATION H	ISTOF	۲۲	
		TYPE	AT THIS	AT THIS LOCATION	LATITUDE	GUITIONO	ELEVATION	ELEVATION ABOVE MSL	088
	GEOGRAFICAL LOCATION & NAME	STATION	FROM	10	1000	רמשמוו ממב	STATION (FT)	STATION (FT) TYPE BAROWETER	DAT
m	Building NS 54	Navy	1973	1974	32°51 'N	M, 45°67	4	Aneroid	24
m	Building NS 660, Pier 'Y"	Navy	1974		32°50'N	M. 95°67	13	Aneroid	24
								,	

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*CMBER	DATE	SURFACE MIND EQUIPMENT INFORMATION	FORMATION			
OF	CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDITICHAL EQUIPMENT, OR REASON FOR CHANGE
1.	April 75	April 75 SE corner roof Bldg 660	AN/UNQ-5 RD 108	RD 108	41,	1. Wind recorder operational
2.	Dec 75	SE corner roof Bldg 660	GNQ-29	Temp/	36,	(indicator only on GAC-29-Apr 75) 2. Remainder GAC-29 (except pressure)
				Dew pt		operational Dec 75 3. Barograph (marine) - 18 ft NSL
						4. CM-6(v) Radar recorder

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

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18.

the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U. S. Navy and U. S. Marine Corps. 3-hourly observations are deobservations are selected from all data recorded on reporting forms and combined into Summary of Preceding each section is a brief description of the data comprising each part of fined as those record or record-special observations recorded at scheduled 3-hourly intervals. Day observations (prepared from record-special, local, summary of the day, remarks, etc.). also summarized for the 3-hourly observations to show diurnal variations. DESCRIPTION:

Every effort is made by this office to maintain a high degree of accuracy and reliability hourly observations, the occurrence of an occasional spurious value should not in itself be considered in these tables, and the Naval Weather Service Detachment, Asheville, N. C. welcomes your comment and data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handcompletely as some could be valid. Questionable values will most likely be single occurrences shown Suspect cases will occur infrequently, but users should not disregard extreme values cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 All observations summarized in this tabulation have been computer edited for consistency by a percentage frequency of ".0" (This value indicates a percent less than ".05," which, in most and reasonableness prior to, or during, the processing stage. Efforts to improve the quality work involved. significant. COMMENT:

NWSED, Federal Building Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in three tables as follows:

- By month and annual, all hours and years combined.
- By month and annual, all hours and years combined, by wind direction.
- . By month, all years combined, by standard 3-hour groups.

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Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same Percentage of observations with precipitation - Included in this category are the observations when one or observation, the sums of the individual categories may exceed the total columns.

Fig. Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

may be reported in the same observation, the sums of the individual categories may exceed the percentage Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction reflect the total observations with reduced visibility. to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not

NOTE: The total number of observations may vary among tables within the same month and period. may not always equal 100.0 due to rounding practices. Percentages

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ATMOSPHERIC PHENOMENA

PART A

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This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

may occur in the same daily observation, the sum of the values in the individual columns may not equal the centage of observations. Since more than one type of precipitation or more than one type of obstruction The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than pertotal columns.

This presentation is by month with annual totals, and is prepared with all years combined.

A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency observations and is presented by month and annual, all hours and years combined. The main body of the Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from hourly of occurrences.

WEATHER CONDITIONS
ATMOSPHERIC PHENDMENA ALL

PERCENTAGE UP DAYS WITH VARIDUS ATMOSPHERIC PHENDMENA CHARLESTON, SOUTH CAROLINA STATION NAME

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MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY		6.04		2.2		6.14	53.8	76.3			81.7	93
(3) (3) (4)		0.80	36.3	6.	4.4	6.	00	38	83.2	1.8		85.8	113
MAR		10.5	45.2				45.2	43.5	78.2			79.8	124
A O A		87 87	24.2				24.2	22.5	76.7			77.3	120
Y W H		20.2	41.0				41.9	37.1	87.1			87.9	124
NON		8.00	10 10				50 50 60	28.3	61.7			25.00	120
T);		39.5	51.6				51.6	21.0	85.5			85.5	124
AUG		43.8	88.				58.9	33.9	87.1			89.5	124
C. D. C.		25.0	47.5				47.5	44.2	85.8			87.5	120
100		A . A	1.00				(E)	38.7	76.6			79.8	124
NDN		9	25.8				25.8	39.2	62.5			70.07	120
230		1.6	46.8		60		46.8	39.5	58.1			67.7	124
TOTALS		16.7	41.3	•	9.	6	41.6	36.7	78.2	. 1		81.3	1430

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CHARLESTON, SOUTH CAROLINA NWSED

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					-	-	Accession of the Person	-	 _	-	T	***************************************
TOTAL NO. OF OBS.	93	6	0,	86	05	6	6	66				144
% OF OBS WITH OBST TO VISION	37.6	58.7	46.2	63.4	49.5	41.9	38.7	35.5				0.0
DUST AND/OR SAND												
BLOWING												
SMOKE AND/OR HAZE	17.2	17.2	22.6	44.1	0.0	(C)	31.2	52 50 50				29.8
FOG	24.7	200	31.2	24.7	12.9	89 *	16.1	14.0				10°
% OF OBS WITH PRECIP.	6.5	0.0	12.9	\$0°	9.0	10	16. •0	st.				7.8
HAIL												
SNOW AND/OR SLEET	1.1							7.3				en .
FREEZING RAIN &/OR DRIZZLE												
RAIN AND/OR DRIZZLE	5.4	\$0 \$0	0.81	15°	8.0	F. 10	6	4.8				7.7
THUNDER- STORMS												
HOURS (L.S.T.)	10	0.45	10	10	13	10	5.7	22				
МОМТН	JAN											TOTALS

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요 원	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	F0G	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.	
	ा		eu •0		0.		7.1	6.2	23.0			29.5	113	
	*0		8.0		0		8.8	13.3	16.8			27.4	113	
	10	0.	10		0.		9	26.5	38.9			54.0	113	
	10		KU.				in.	4.	54.9	6.		65.5	113	
	m		8.8		10 •		10.6	60	44.2			9.64	113	
	0		63 67	·	·		10.6	R	36.3			41.6	113	
	٥٠ ح	٥٠ •	4.4	5.	. ·		6.2	κ) ω	33.6			38.9	113	
	22		7.1		(D)		8.8	6.2	N. N.	0		32.7	113	
		• 2	6.7	2.	1.0		0.8	10.3	34.2	N .		42.5	906	
1	-				-	-				-			-	

CHARLESTON, SOUTH CAROLINA NWSED 13758

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PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	0.1	9.7	13				11.3	5.0	21.0			29.0	124
	40	00	6 8				-C	21.0	24.2			38.7	124
	0.3	87	(A)				274 6 00	26.6	4			64.5	124
	0.5		11.3				6	0	51.6			59.7	124
	13	•	12.1				1.51	2.4	37.9			89	124
	7.6	4.	0.7				D. 0.	w	33.0			36.3	124
	19	- 100	6 8				0,	*C	37.1			41.1	124
	22	æ	(C)				80	7.3	25.0			30.06	124
TOTALS		1.0	9.3				50 D	10.9	34.3			45.4	266

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CHARLESTON, SOUTH CAROLINA NWSED

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YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	10		1.7				3.0	30 •	17.5			18.3	120
	90		4.3				4.2	4.3	15.8			20.0	120
	20	80	4.2				4.2	15.0	50.0			88	120
	10		4.2				6.2	1.7	40.8			42.5	120
	81	20	5.0				0.0		21.7			31.7	120
	16	20	4.2				√S*	€0 •	30.8		•	32.5	120
	67		w.				20	2.3	27.8			30.08	120
	22	Ø13	5.0				3.0	1.7	21.7			6.6	120
TOTALS		4.	0.4				0.4	w.	29.5		•	32.1	096

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YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	124	124	124	124	124	124	124	124			366
% OF OBS WITH OBST TO VISION	5.14	50.0	76.6	5.8	44.4	60 60 80	8.	41.1	+		6.64
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	8.6	42.7	66.1	88.9	4.4.4	20 20 10	42.7	40.3			4 6.
FOG	4.	13.7	20.2	100 •	0		00.	<i>x</i> 0			80°
% OF OBS WITH PRECIP.	4.	4.0	50	rs rs	83	0.4	8	0.4			4.3
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	6.9	4	w.	67	3.2	0.4	60	4.0			4
THUNDER- STORMS	1.6				4	50	6	00			•
HOURS (L.S.T.)	0.1	90	20	10	8	16	1.9	22			
MONTH	MAY										TOTALS

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

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TOTAL NO. OF OBS.	120	120	120	120	120	120	120	120			096
% OF OBS WITH OBST TO VISION	37.5	40.8	61.7	80.0	40.0	37.5	36.7	37.5			42.7
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	36.7	95.0	10	49.2	40.0	37.5	36.7	36.7			41.0
F0 G	2.5	9.2	11.7	æ			00	60 60			6 0
% OF OBS WITH PRECIP.	B7	6.7	4.2	62	12.5	12.5	*	7.5			6
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	7.5	6.7	4.2	00 60	12.8	25.	4	7.8			0
THUNDER. STORMS	2.0	4.2	1.7	€. (C)	4.	7.5	9.0	1.7			4.2
HOURS (L.S.T.)	0.1	40	0.7	10	m	16	1.0	22			
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	124	124	124	124	124	124	124	124		366
% OF OBS WITH OBST TO VISION	42.7	46.0	0.6	64.5	8.4.8	88.0	53.2	80.		34.0
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	42.7	4.44	74.2	64.5	54.8	55.6	53.2	46.8		54.5
FOG	۵.	8.3	16.9	2.						80 80
% OF OBS WITH PRECIP.	4.0	2.4	2	00° 49	\$0 \$0	63	1.00	0.4		0.0
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	6.0	2.4	60	30	6.3	· ·	t-	0.4		0.
THUNDER- STORMS	2.4	1.0	9.1	80	10 0	0.7	0.4	8		6.0
HOURS (L.S.T.)	0.1	40	10	10	27	1.5	19	22		
MONTH	JUL									TOTALS

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TOTAL NO. OF OBS.	124	124	124	124	124	124	124	124			266
% OF OBS WITH OBST TO VISION	0.94	9	78.2	66.1	50.8	44.4	45.2	46.0			53.5
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	4.94	46.0	60	62.1	49.2	41.1	43.5	45.2			50.08
FOG	4	10.5	24.2	0.4	1.6	63 64	1.6	1.6			4.
% OF OBS WITH PRECIP.	0.4	3.4	0.00	√O • O	10.5	13.7	11.3	0.7			8.4
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	0.4	4 · 8	6.5	6. M.	10.5	13.7	11.3	9.7			8.4
THUNDER- STORMS	1.6	0.4	ro €	9	9.	16.9	10.5	3.2			· O
HOURS (L.S.T.)	0.1	40	20	10	13	16	19	22			
MONTH	AUG										TOTALS

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SMOKE AND/OR HAZE FOG % OF OBS WITH PRECIP. HAIL

FREEZING RAIN &/OR DRIZZLE

RAIN AND/OR DRIZZLE

THUNDER-STORMS

HOURS (L.S.T.)

MONTH

SNOW AND/OR SLEET

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TOTAL NO. OF OBS.

% OF OBS WITH OBST TO VISION

DUST AND/OR SAND

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STATION NAME

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YEARS

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DBSERVATIONS

TOTAL NO. OF OBS.	124	124	124	124	124	124	124	124			266
% OF OBS WITH OBST TO VISION	33.1	41.1	64.5	150 150 150	8.00	27.4	31.5	33.1			39.8
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	33.1	32.3	56.5	\$2.4	29.0	27.4	30.0	50			36.7
FOG	2.4	16.1	33.1	6.3	60		10	(D)			7.6
% OF OBS WITH PRECIP.	3.6	2.4	7.6		4.5	2.0	2.4	4.8			2.5
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	1.6	4.	1.6	00	2.4	1.6	4.	4			2)
THUNDER- STORMS					(C)		9.7	60			**
HOURS (L.S.T.)	10	*	0.7	10	0	16	0.	0			
MONTH	roc										TOTALS

CHARLESTON, SOUTH CARDLINA NWSED

73-76

NON MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

ST % OF OBS TOTAL OR WITH OBST NO. OF 1D VISION OBS.	24.2 120	30.0	50.0	51.7 120	34.2		29.2 120	2 0					
BLOWING AND/OR SNOW SAND						The same name of the last of t							
SMOKE AND/OR BLC BLC	12.5	13.3	25.0	8.04	27.5		24.2	24.2	24.2	24.2	24.2	24.2	24.2
FOG	12.5	20.8	29.2	1.4.2	6.1		6.7	6 0	6 0 0	- N N	0 0 0	~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~
% OF OBS WITH PRECIP.	1.7	W)	9 9	5.8	6.7		6.7	0.0	4.2	5.0	4.2	4 01 0 4	7.0 %
HAIL													
SNOW AND/OR SLEET													
FREEZING RAIN &/OR DRIZZLE													
RAIN AND/OR DRIZZLE	1.7	60	E)	(2) (2)	6.7		6.7						
THUNDER- STORMS													
HOURS (L.S.T.)	0.1	40	0.7	10	(III) emi		16	16	16 19 22	22 12 25	22 22 25	22 22	22 22 25
MONTH	VON												

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STATION 13758

DEC HONTH

CHARLESTON, SOUTH CAROLINA NWSED

73-76

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

BLOWING

DUST AND/OR SAND

SMOKE AND/OR HAZE

FOG

% OF OBS WITH PRECIP.

HAIL

SNOW AND/OR SLEET

FREEZING RAIN &/OR DRIZZLE

RAIN AND/OR DRIZZLE

THUNDER. STORMS

HOURS (L.S.T.)

MONTH

330

TOTAL NO. OF OBS.

% OF OBS WITH OBST TO VISION

13.7

13.7

124

124

35.5

21.0

18.5

0.0

10.5

07

15.3

16.1

11.3

27.9

107 107

0

30.08

10.

12.9

6.21

100

07

10.8

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5.91

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50

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12.9

124

400 36.3

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29.0

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124 124

27.4

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266

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21.7

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TOTALS

NAVWEASERVCOM

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STATION 13758

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13758 CHARLESTON,

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CHARLESTON, SOUTH CAPOLINA NWSED

0 73-76

ALL HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	744	406	266	096	366	960	266	266	096	366	096	265	11440
% OF OBS WITH OBST TO VISION	43.9	42.3	45.4	32.1	49.5	42.7	54.8	53.5	40	3.68	34.0	32.2	43.5
DUST AND/OR SAND				•									0
BLOWING		23											0
SMOKE AND/OR HAZE	29.3	34.2	6.	6. 6. s.	\$ 6 9	41.0	54.3	50.0	50.7	36.7	22.4	21.7	37.6
FOG	50 T	10.3	10.9	60	5.2	න ත	en en	4.0	64	7.6	13.6	14.1	o.
% OF OBS WITH PRECIP.	7.8	0 · B	ο. πυ	4.0	্ব	67	(C)	4.8	7.1	67	9.4	0.01	6.8
HAIL													
SNOW AND/OR SLEET	m	0.1											7
FREEZING RAIN &/OR DRIZZLE		e.											0
RAIN AND/OR DRIZZLE	7.7	6.7	e-	4.0	4.3	0	8	4.6	7.1	20	4	10.9	9.9
THUNDER. STORMS		evi •	1.0	4.	1.1	4.2	0.4	Ø.0	2.4	*			1.7
HOURS (L.S.T.)	ALL												
МОМТН	247	10 10 10 10 10 10 10 10 10 10 10 10 10 1	MAK	APR	MAY	NOT	JUL	AUG	03 103	DCT	NDV	080	TOTALS

AL	HOUR
JANUARY	HLNOW
PERRUARY 75-DECEMBER 76	YEARS
CHARLESTON, SOUTH CAROLINA NWSED	STATION NAME
13758	STATION

NO	52.5	73.2	80.0	70.8	73.9		72.7	56.0	41,8	0.88	51.3	53	0.40	00	30.8	30		X	401	53.6
SAND SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE HAZE	23.8	0.0	10.0	12.5	8.7	66.7	27.3	36.0	63.64	31.8	30,8	36.3	42.3	4.00	57.7			X	213	29.3
GROUND FOG	0.0	4.9	13.3	60	4.3			0.8	30 ·	7.6	3.1	0	4.		60	6.0		Y	4	0.9
500	6	0	663	4.2	17.4	0.00		16.0	12.7	6.1	20.5		4 . 3	50	100	12°		X	100	13.4
THUNDER																		M		
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS	8.															10		M	2	\$27
SLEET SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE	85			4.2	100				8		· ~							\bigvee	-	15"
RAIN	. 3	45		4.2					50	3.0	2.6	0						X	-	5.
A A I A	102	6,	60	4.2	4			,	-D	0.8	3.1	7.7	4 9 2	50		Gr.		X	50 50	4.7
WIND	z	M Z Z	ω W	ENE	lШ	ESE	SE	SSE	S	SSW	SW	WSW	3	*××	3.2	N N N	VARIABLE	CALM	TOTAL	% TOTAL

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744

TOTAL NUMBER OF OBSERVATIONS

BLOWING SAND AND DUST

BLOWING SNOW

SMOKE

ICE FOG GROUND FOG

FOG

THUNDER

HAIL HAIL

SNOW GRAINS PELLETS SHOWERS

SLEET

" SHOWERS

ICE

CRYSTALS

FREEZING RAIN FREEZING DRIZZLE

DRIZZLE

RAIN

RAIN

WIND

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PERCENTAGE FREQUENCY OF WIND DIRECTION WEATHER CONDITIONS \S.

10 FEBRUARY 73-DECEMBER CHARLESTON, SOUTH CAROLINA NWSED STATION

PEBRUARY

ALL

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TOTAL NUMBER OF OBSERVATIONS

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% TOTAL TOTAL

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

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AL	HOUR
MARCH	MONTH
PEBRUARY 73-DECEMBER 76	YEARS
CHARLESTON, SOUTH CAROLINA NWSEC	STATION NAME
13758	STATION

	-	_	-	_		-	,	,	,	,	-	-	-	,	-	-	-	, , ,		-
NO WEATHER	60.3	35.1		47.4	0.99	64.1	47.5	50.0	63.0	64.1	53.9	46.8	61.9	74.1	74.1	63.2		X	50	55.6
BLOWING SAND AND DUST																		X		
BLOWING																		X		
SMOKE	29.3	36.7	53.0	23.9	0.00	25.6	(A)	41.7	20.00	32.1	43.4	47.0	32.2	20.0	100	36.8		1	300	3403
ICE FOG GROUND FOG	4	0	10.3	7.9	60	57	0		4.1	2.6	2.6	50	4.2	3.4				- X	52	2
F0G	0.0	49	50	1.5 8	4.0	7.9	7.5		so.	2.6			20	1.7	7.4			*	50	9. 9.
THUNDER	*	4.1					50		7.	6.									10	1.0
HAIL SMALL HAIL																		X		
SNOW GRAINS PELLETS SHOWERS																				
SLEET "SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE	3.4	0.	40	10.8	80°	S)	5.0	~							\$0			\bigvee	9	40
RAIN	50	12.2	36	10.5			2.5	10.4	2.7	60	2.6	4.0	4	4.				X	49	7.8
N A I	S	10.2	12.8	10.5	60	2.6	100	6	2.7	2.6			100			S 0 1		X	379	SQ.
WIND	z	M N N	M	ENE	В	ESE	SE	SSE	S	SSW	WS	wsw	3	WZW	NZ.	MNN	VARIABLE	CALM	TOTAL	% TOTAL

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TOTAL NUMBER OF OBSERVATIONS

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TO THE WALL STREET

THE SHOP IN

JINdy PEBRUARY 73-DECEMBER 76 CHARLESTON, SOUTH CAROLINA NWSED STATION NAME 13758

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	-	-				-		-	-				4	-				- I	-	
NO WEATHER	70.6	60.6	61.3	3.0	00.4	70.6	73.8	133		58.5	5.6	55.1	15.4	83.0	68.2	00 00		X	640	66.7
SAND SAND AND DUST																		M		
BLOWING																		M		
SMOKE	(A)	30.3	10°	20.5	\$0 \$0 \$1	20.6	21.04	22.1	7.52	0	37.9	63.0	22.9	12.8	27,03	14,8		X	200	5 6 6
GROUND FOG		3.0	(N)							1.2		1.0	•	2.1				XXXX	*	5.1
F06	0	3.0	en.	4.	en	00	2.4				S				6 . 3	3.7		X	20	0.
THUNDER							चे .					O .						M	4	4
HAIL SMALL HAIL																		X		
SNOW GRAINS PELLETS																		M		
SLEET " SHOWERS ICE CRYSTALS																		\bigvee		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE														2.3				\bigvee	,	-
RAIN		20						1675 		100		et:	ec.	2.5				\bigvee	1.6	6 - 1
Z Z		0.8	60 60	7.4	60 60;	5 5	200	4 . 4	2.04	2.4	4							X	2.1	2.3
WIND	z	N N	M N	EN EN	ш	ESE	SE	SSE	S	SSW	SW	wsw	*	MNW	N/Z	N Z Z	ARIABLE	CALM	10101	TOTAL

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TOTAL NUMBER OF OBSERVATIONS

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ALL	HOURS (L.S.
MAY ALL	MONTH
FEBRUARY 73-DECEMBER 76	YEARS
CHARLESTON, SOUTH CAROLINA NUSED	STATION NAME
13758	STATION

NO WEATHER	60 (C)	43.6	36.0	42.1	36.7	48.3	95.0	50.6	52.6	51.0	52.9	0.04	96.0	64.7	43.5	54.8		X	400	6.89
SAND SAND AND DUST																		\bigvee		
BLOWING																		M		
SMOKE	41.7	46.2	0.84	57.0	0.09	44.8	62,5	644.	44.4	6.94	6.54	0 0 0 9	6 1 . B	4 6 50	43.5	24.2		X	404	46.8
GROUND FOG	4.2	7.7	0.4			4.4		3.4		0.7	2.4	1.3	4.4		6.7	6.1		**	27	2.
509	2.1	2.	16.0		1.7				1.5	0.1	1.2	P ⁽¹⁾	1.1			18.2		\bigvee	2	2.1
THUNDER			0.4		1 1			4	33					8	8 7	3.0		\bigvee	2	•
HAIL SMALL HAIL																		M		
SNOW "GRAINS "PELLETS "SHOWERS																		\bigvee		
SLEET " SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE	2																	\bigvee	******	g}
RAIN			12.0		60	40	7	0	\$873 107	eth.	2.4			60	600	0.1		X	171	(C)
Z Z		9875	8.0	en un	603 603													M	*	7.
WIND	z	M N N	NE	ENE	Е	ESE	SE	SSE	S	SSW	SW	wsw	W	WNW	×z	MNN	VARIABLE	CALM	TOTAL	% TOTAL

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TOTAL NUMBER OF OBSERVATIONS

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TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

417	HOURS (L
SVO?	MONTH
V 73.DECEMBER 7	YEARS
CHARLESTON, SOUTH CAROLINA NWSED	STATION NAME
13758	STATION

NO	0.0%	63.0	57.1	54.5	36.8	50.0	60	66.3	5.09	6.0	53.5		6.5	46.1	29.2	55.6		*	497	51.0
SAND SAND AND DUST																		\bigvee		
BLOWING																		X		
SMOKE HAZE	50.0	23	23.	6000	32.4	38.2	37.0	26.3	31.4	50.0	39.5	50.0	0.08	52.9	54.2	173		· ·	391	40.7
ICE FOG GROUND FOG	1.0	3.7	2.4	4.5	2.7						2 3		0.		4.3			No.	16	1.7
504	679	3.7	2.4	8.3				1.1		0					4	11.1		X	1.0	0
THUNDER	507	5	5.0		100	9.6	50	~	in.	6 3	0.4	50)	un. •		12.5	\$0)			9	6.0
HAIL SMALL HAIL																		X		
SNOW GRAINS PELLETS SHOWERS																				
SLEET SHOWERS ICE CRYSTALS																		\bigvee		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE		50 								***								\bigvee	8	. 2
RAIN	1.0	S.	© •	4	5.8	1.4.7	6.9	8.4	PI's	CC)	E.	4.7	0	6.	0.3	4.		X	77	0.0
RAIN	0	0.							•		2.3			En .	4.5			\bigvee	Box.	6.
WIND	z	M Z Z	N M	EN EN	ш	ESE	SE	SSE	S	SSW	SW	wsw	3	W N W	N.V.	N Z	VARIABLE	CALM	TOTAL	% TOTAL

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

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ALL	HOURS (L.S.T.
>10°	MONTH
FEBRUARY 73-DECEMBER 76	YEARS
CHARLESTON, SOUTH CAROLINA NWSED	STATION NAME
13738	STATION

		-			1	-				-		-			1			I I		1
NO WEATHER	4.7.4	47.3	32.50	52.8	44.4	42.9	43.6	44.4	44.4	41.7	46.6	533	34.4	38	50.0	000		T.	419	6.50
BLOWING SAND AND DUST																		M		
BLOWING																		M		
SMOKE HAZE	50,0	43.5	61.5	44.4	82.8	137.1	15.) 16.)	55.0	49.6	57.4	32.4	65,1	61.1	200	37.5	55.0		× ×	54.1	40
GROUND FOG	E.	4	50	65	0				0			1.2	5.6	6.5		16.7		X	20	3.3
100		2.2				2.0							1.1					X	55	gr
THUNDER	0.6	40	200	270	2.8	20	0		30	-	0	563	4.4	en.	40	9.6		X	9	0.9
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS																		\bigvee		
SLEET SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE																		\bigvee		
RAIN		6.4	2.6	£100	60	0	£ 51	0.1	4	en	50	100	.0	3 . 2	10°	. O.		X	0.0	0.0
RAIN		2 2																X		
WIND	z	NNE	N H	ENE	W	ESE	SE	SSE	S	SSW	Sw	WSW	×	WNW	M.	MNN	VARIABLE	CALM	TOTAL	% TOTAL

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AUGUST	
EBRUARY 73-DECEMBER 76	
SOUTH CAROLINA NWSED &	

NO WEATHER	50.62	25	48.2	62.5	47.7	54.2	0.09	62,3	49.0	51.7	38,0	\$ O\$	37.3	20.0	34.6	34.6		T/	431	43.4
SAND SAND AND DUST																		M		
BLOWING																		M		
SMOKE	62.9	9.84	et) 	6	20.0	41.9	1.1	34.0	C. 47	41.6		n.	200	0.09	61.5	53,0		X	496	20.0
GROUND FOG	8.2	5 4	0.									œ •	0.6	(c)	(C)	1.1			4	3.4
509	20	10.8	. 8	60	eri evi					3.6	2.4		No.	16.7		60		X	O	(A)
THUNDER	THE	4.1	63	3.1	40	4	14.3	5	0.6	6.7	12.0	(E)	\$	10.0	100 (F)	(C)			60	6.4
HAIL SMALL HAIL																		M		
SNOW " GRAINS " PELLETS " SHOWERS																		M		
SLEET SHOWERS ICE CRYSTALS																		\bigvee		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE											1.2		0	er)				\bigvee	3	47 .
RAIN	500	1.4	3.6	-0	6.8	6.0	11.4		23.0	30	14.1	e0	0.0	E)	4.4	(AL) (A)		X	67	40
A N	7.0	20°								3.4								X	12	0.0
WIND	z	W Z Z	W Z	EN EN	Ш	ESE	SE	SSE	S	SSW	NS.	wsw	3	***	×z	MNN	VARIABLE	CALM	TOTAL	% TOTAL

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TOTAL NUMBER OF OBSERVATIONS

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SEPTEM	HONTH
FEBRUARY 73 DECEMBER 76	YEARS
CHARLESTON, SOUTH CAROLINA NWSED	STATION NAME
13758	STATION

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3.5	1	2
D.	1	

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D.	1

NO WEATHER	27.7	100	39.4	50.0	28.8	37.9	36.4	4.10	66.2	56.6	6000	46.3	0.04	32.0	28.6	24.2		X	413	43.0
BLOWING SAND AND DUST																		M		
BLOWING																		M		
SMOKE	62.4	56.6	53.0	8 5 7	61.3	62,1	59.1	33,3	5 OF	41.5	29.3	51.2	55.0	0.00	71.4	66.7			487	50.7
ICE FOG GROUND FOG	7.1	0.4	4.5	2,1								4.5	2	8.0	6.9	100		*	4	4
509	10	10.1	1.0	\$10)				420		60			5.0			6.1		*	4	4.7
THUNDER	1.4	0	1871 1871	2.1	0		9.1	20	5 6	0	20	7.3	0.8					X	5V 50)	3.6
HAIL SMALL HAIL																		V		
SNOW GRAINS PELLETS SHOWERS																		\bigvee		
SLEET " SHOWERS "CE CRYSTALS																		\bigvee		
FREEZING RAIN FREEZING DRIZZLE																		M		
DRIZZLE		1.0																X	00	2
RAIN	7.4	0.6	0.8	60	0.0	9	13.6	Ø2 	7.4			7.3	8	8		3.0		X	0.5	4
NAN	4	10.1	45.	4 2	(E)							2.4	2.5					X	502	2.7
WIND	z	NNE	M N	ENE	ш	ESE	SE	SSE	S	SSW	SW	wsw	×	M N M	MZ	WNN	ARIABLE	CALM	TOTAL	TOTAL

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TOTAL NUMBER OF OBSERVATIONS

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DCTUBER PERRUARY 73-DECEMBER 76 CHARLESTON, SOUTH CAROLINA NWSED

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NO	500	73.4	63.2	9.09	64.6			51.3	63.9	46.7	73.9	3	74.1	48.9	75.0	55.0		*	565	0.09
BLOWING SAND AND DUST																		M		
BLOWING																		M		
SMOKE	35.7	24.7	36.8	39.4	100 100 100 100	100	45.5	43.6	48 + 8	46.7	26.1	20.0	25.9	46.4	25,0	0.54		X	364	36.7
GROUND FOG	7.5	5	2.9	o .	2.1							4.2	3.7	8	7.5	en		*	09	0.0
5004	100 en							2.6	6.3			*		4.4				X	10	100
THUNDER									5%			4.2		2.2				X	3	*
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS																		M		
SLEET SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE																		\bigvee		
RAIN	30	9.					45.	0 2		6.7		2.3		4.4				X	1.4	7.
A N	37	-			2.7			5.5	2.6			5 8 8						X	G,	
WIND	z	N N	ШZ	ENE	ш	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	NN	M N N	VARIABLE	CALM	TOTAL	% TOTAL

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X:

TOTAL NUMBER OF OBSERVATIONS

266

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NOVEMBER PERRUARY 73. DECEMBER 76 CHARLESTON, SOUTH CAROLINA NWSED 13758 STATION

ALL

62.53 65.1 SAND AND DUST BLOWING NONS 22.5 SMOKE 40000 4.4 5 53 X ICE FOG GROUND FOG 400 17 FOG THUNDER HAIL SMALL HAIL SNOW

GRAINS

PELLETS

SHOWERS SLEET
SHOWERS
ICE
CRYSTALS FREEZING RAIN FREEZING DRIZZLE DRIZZLE 0 2000 \$0 100 SHOWERS NAN 4 1 0 6 RAIN % TOTAL DIRECTION TOTAL CALM WIND × Z Z NZ Z ENE ESE SSW WSW × × SSE ШZ SE SW ₹ Z z Ш 3 S

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TO

TOTAL NUMBER OF OBSERVATIONS

096

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NAVWEASERVCOM

NO WEATHER	70.7	0.08	0.99	55.9	70.0	72.7	64.3	42.5	50.0	55.0	50.08	51.5	76.6	79.7	51.1	52.6			636	1.40
SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE HAZE	16.2	00	21.3	50.4	2.0	18,2	14.3	25.0	35.2	29.4	32.0	35.3	18.4	16.3	26.7	23.7		X	212	21.4
GROUND FOG	9	0.4			0.8		7.1	5.0	-	c c				1.3	2.2				6	69
500	1.	0.4	10.0	11.8	15.0		7.1	15.0	11.1	14.7	00	16.2	7.1	•	20.0	18.4		77.74	101	10.2
THUNDER																		\bigvee		
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS																				
SLEET SHOWERS ICE CRYSTALS																		\bigvee		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE					10.0										40 49	2,6		\bigvee	30	2075
RAIN	2.0	100	4.3				7.1	10.0	10°	64	0.0	-	. 7					X	2	2.2
Z N N N N N N N N N N N N N N N N N N N	10.1	60- 60-	100	17	10.0		1.4.3	10.0	120	C-	21.3	G.	7 · 4	100	6.7	21.1		X	70	2.8
WIND	z	M Z Z	N/R	ENE	Ш	ESE	SE	SSE	s	SSW	SW	wsw	×	wnw	× Z	N N N	VARIABLE	CALM	TOTAL	% TOTAL

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TOTAL NUMBER OF OBSERVATIONS

266

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

~

HOURS IL.S.T.)
MONTH
REBRUARY 73-DECEMBER 76
CHARLESTON, SOUTH CAROLINA NWSED
STATION

NO WEATHER	51.6	88.0	52.4	52.9	52,8	55.6	53.1	57.3	53.9	51.0	53.5	50.9	61.0	60.8	52,1	54.1		*	6198	34.2
SAND SAND AND DUST																		\bigvee		0
BLOWING	.2																	M	0	0.
SMOKE	37.0	32.2	40.1	37.6	60 60 60 60 60	38.2	39.9	35.7	38.4	42.0	41.3	44.1	34.0	33,3	39.4	0 6		*	4312	1.
GROUND FOG	80 W	4.8	4.4	60	2.0	1.4		1.0	1.7	2.0	1.7	50 5vi	2.03	1	(E)	6.2		7	467	4.1
509	7.7	5	5.2	0.9	3	60	2.1	2.0	2	2.7	(N	60 N	2.6	2.0	6.2	7.7		7	529	4.6
THUNDER		9-1	S . E	en.	0.1	2	87	8	0.0	1.7	\$ FO	275		(K)		7.0		X	161	
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS	en.		8													€.		M	Ch.	-
SLEET S SHOWERS ICE CRYSTALS	80		54	55°														M	En.	0
FREEZING RAIN FREEZING DRIZZLE			~	· •															P.	0.
DRIZZLE	0.1	ist's	~	50	50	1	€.	es.	-	5~4	(%)	•	इची:	9	0	0		X	50	40
RAIN	20	2.6	ter:	4	4	\$10 \$71	5 7	5.4	6.7	7 * 7		60	2.0	50)	50	1.7		X	410	3.6
N A N	4.3	0.0	00	65	es.	1	1.8	0	-	6	S.	2.4	0.			0.		X	20%	2.8
WIND	z	III Z	W Z	FNE	ш	ESE	SE	SSE	S	SSW	SW	WSW	3	N/N	MZ.	*NZ	VARIABLE	CALM	TOTAL	% TOTAL

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TOTAL NUMBER OF OBSERVATIONS

PART B

PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

*.

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

- The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly latter statistics above are not presented for the snow depth summary since they would have limited use and and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). may be misleading.
- each month and annual (all months). The extremes for a month are not printed nor used in computations if The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for one or more observations are missing. i

Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Snow depth at 0800 LST Snow depth at 1230 GCT Snow depth at 1200 GCT	Snow depth at 0030 GCT Snow depth at 1230 GCT Snow depth at 1200 GCT
From beginning of record thru 1945 Jan 46-May 57 Jun 57-present	From beginning of record thru Jun 52 Jul 52-May 57 Jun 57-present
Air Force Stations	U. S. Navy and Weather Bureau Stations

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

=

13758 CHARLESTON, SOUTH CAROLINA STATION NAME

NO

74.

74-76

YEAR

UNTS		IFAST		1.80	. 71	4.17	£.	3.05	2.27	4.06	4.27	4.00	.69	.51	2.12	X
MONTHLY AMOUNTS	(INCHES)	20647627		5.13	2.29	5.01	3.17	6.76	5.41	9.21	79.2	5.74	4.15	3.04	4.67	X
MOM		2		3.49	1.50	4.68	1.36	69.4	3,50	6.21	7,2512.67	5,14	1.89	2.05	3,31	5.07
	NO.	0 6 S.		62	57	6	90	66	0.6	0.	93	06	69	90	60	103745.07
PERCENT	OF DAYS	MEASUR-	AMTS	37.1	26.3	31,2	18.9	31.2	44.4	6.04	48.6	0.04	12.9	20.0	36.6	32.3
	OVER 20.00	OVER 50.4	OVER 120													
	10.01-20.00 OVER 20.00 OF DAYS	25.5.50.4	61.120													
	5.01-10.00	15.5.25.4	49.60													
	2.51.5.00	10.5-15.4	37.48			7.1		; e-d ; •				1.				80
	1.01-2.50	6.5.10.4	25.36	1.6		4	1.1	2.2	2.2	4.	10.8	3.3	2.2	3.3	2.2	2
HES)	51.1.00	4.5.6.4	13.24	1.6	6.5	3.2		7.5	4.4	11.9	7.5	2.2	1.	1.1	6.8	~
AMOUNTS (INCHES)	2650	3.5.4.4	7.12	12.9	0.1	5.4	1:1	6.4	5.8	7.5	3.8	6.7	3.2	2.2	3.8	5.0
OWY	.1125	2.5.3 4 3	9.4	4.6	10.5	6.5	7.8	3 - 2	6.7	4.3	7.5	6.7	2	3.6	8.6	6.7
	.0610	1.5.2.4	9	6.5	3.5	7.5	1.1	3.2	10.01	3.2	5.4	7.8		2.2	6.5	4.7
	.0205	0.5-1.4	2	1.6	0.7	3.2	7.8	4.	5.6	m.	8.6	50	3.2	1.1	4. 10.	0
	10	0.1.0.4	-	3,5				4.3	6.7	6.4	5.4	4.4		4.4	4.8	2
	TRACE	TRACE	TRACE	4	7.0	10.8	4.4	10.8	111.1	7.5	6.3	11.1	4.3	10.0	10.8	87 87
	NONE	NON	NO N	50.1	1.99	38.1	76.7	58.1	44.4	51.6	41.9	48.9	82,8	0.07	52.7	59.5
	PRECIP.	SNOWFALL	SNOW.	Z	FE8	MAR	APR	MAY	NOT	ını	AUG	SEP	000	> ON	DEC	ANNUAL

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DAILY AMOUNTS

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PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

19758 CHARLESTON, SOUTH CAROLINA STATION NAME

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73-76

YEARS

SNOW NONE TRACE SNOW NONE TRACE SNOW NONE TRACE JAN 97.8 2.2 JAN 97.8 2.2 JAN 97.8 2.2 JAN 100.0 AAR 100.0 JUN 100.0 AUG 100.0				**	AMOUNIS (INCHES)	10110						TITOLOGIC		20	MONTHLY AMOUNTS	UNTS
X X X X X X X X X X X X X X X X X X X	10	.0205	0190.	.1125	.2650	.51.1.00	1.01-2.50	2.51-5.00	5.01.10.00	10.01.20.00	OVER 20.00	5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS	NO.		(INCHES)	
100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1.0.4	0.5-1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	4.01-5.0	10.5-15.4	15.5.25.4	25.5.50.4	OVER 50.4	MEASUR-	OF OBS.	7	GPE A TECT	IFAST
100.00	-	~	3	9.	7.12	13.24	25.36	37.48	19.60	61.120	OVER 120	AMTS			0400	
100.00													60	93TRACETRAC	RACE	0.
100.00							. The					6.	113	1.6	6.3	0.
100.0													124	0.	0.	0.
100.0													120	0.	0.	0.
													124	0.	0.	0.
													120	0.	0.	0.
													124	0.	0.	0.
													124	0.	0.	0.
SEP 100.0													120	0.	0.	0.
ocr 100.0													124	0.	0.	0.
NOV 100.0													120	0.	0.	0.
DEC 100.0													6	0.	0.	0.
ANNUAL 99.4												.1	1399	1.6	X	X

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

SA CHARLESTON, SOUTH CAROLINA STATION NAME

73-76

YEARS

		WY	AMOUNTS (INCHES)	4CHES)						PERCENT	101	Z 0 €	MONTHLY AMOUNTS	UNTS
0190.	0	.1125	.2650	.51.1.00	1.01.2.50	2.51-5.00	5.01-10.00	10.01.20.00	10.01-20.00 OVER 20.00 OF DAYS	OF DAYS	202		(INCHES)	
1.5-2.4		2.5.3.4	3.5.4.4	4.5.6.4	6.5.10.4	10.5-15.4	15.5.25.4	25.5-50.4	OVER 50.4	MEASUR-	0.85.	X Y	GREATEST	LEAST
9		4.6	7.12	13.24	25.36	37.48	49.60	61.120	OVER 120	AMTS				
											62			
											38			
											124			
											120			
											124			
											120			
											124			
											124			
	-										120			
											124			
											120			
	-										124			
											1371		X	X

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EXTREME VALUES

TOTAL SALL SALLS

PRECIPITATION

FROM DAILY OBSERVATIONS

CHARLESTON, SOUTH CAROLINA STATION NAME

13758 STATION

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73-76

YEARS

24 MOUR AMOUNTS IN INCHES

YEAR	ŽĄ	FEB.	MAR.	APR.	MAY	J.	JUL.	AUG.	SEP.	001	> 0 x	DEC.	MONTHS
200			100	.20	1.2	2,10	E	2.22	2.37	36	1.32	1.73	
7.5	4 9	980	- N	2.36	3.58	9 80	 	1.65	4.33	1.86	1.19	1.14	4.33
ZARA	1,10		1.78	0.0	2.11	1	1.56	1.70	2.55	96.	52	41.	80 80 80
S. D.													
TOTAL OBS.	62	150	0.33	00	80	06	66	66	06	66	06	66	1037

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5223 Extreme Values Jan 1969

ALL MONTHS
OF PRECIP
17 DAYS
17 DAYS
DAYS

NON

OCT.

00. SEP.

EXTREME VALUES

PRECIPITATION FROM DAILY OBSERVATIONS

CHARLESTON, SOUTH CAROLINA STATION NAME

13758 STATION

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73-76

24 HOUR AMDUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/ .00 1.2 TRACE 11 TRACE MAX

22 APR. 14 MAR. 78ACE 2.50 FEB 000 NAL YEAR

NAVWEASERVCOM

TOTAL OBS. MEAN S. D.

FILE

5702 SURFACE WINDS JAN 68

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EXTREME VALUES

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SNOWFALL

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73-76

CHARLESTON, SOUTH CAROLINA

13758 STATION

YEARS

24 HUUR ANDUNTS IN INCHES

YEAR	JAN.	FEB	MAR.	APR.	MAY	Z Z	JUL.	AUG.	SEP.	OCT.	NON	DEC.	ALL
73	.0	0	0.0	0.0	0.0	0,0	0.0	0.0	0.0	00	00	C	0
2	0	200	20	0		2 0		000	0	0	0	0	C
76	TRACE	0	0	0	0	0	0		0	0	0	0	TRACE
MEAN	TRACE	1.63	00.	00.	00.	00.	00.	00.	00.	00.		00.	00.
S. D.		3.250	000.	000.	000.	000.	000.	000.	0000	0000	•		
TOTAL 085.	63	113	124	120	124	120	124	124	120	124	120	66	1399

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EXTREME VALUES

THE THE SELECTION OF THE PARTY OF THE PARTY

SNOWFALL

FROM DAILY OBSERVATIONS

YEARS

73.76

CHARLESTON, SOUTH CAROLINA STATION NAME

13758 STATION

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24 HDUR AMDUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/

OCT. NOV.										
SEP. O										
¥UG.										
JUL.										
J. N.										
MAY										
APR.										
M A R.										
FEB.										
, NAL										
YEAR YEAR	2								MEAN	0

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EXTREME VALUES

FROM DAILY OBSERVATIONS SNOW DEPTY

DAILY SNOW DEPTH IN INCHES

73-76

CHARLESTON, SOUTH CAROLINA

13758 STATION

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JON.	JUL.	Aug.	SEP.	OCT.	NON	DEC.	MONTHS
7.3			0	0	0	0	0		0		0	0	
74		0		0	0	0	0		0		0	0	
7.5	0	0	0	0	0	0	0	0	0	0	0	0	
7.6	0			0	0	0	0		0		0	0	
MEAN	0	0.		0.	0.	0.		0	0.	1	0.	0.	•
S. D.			000.	000.	000	000.	0.	1	0000	0000	- 1	0000	
101AL 085.	62	100		120	124	120	124		120	- 1	- 1	124	137

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5723 Extreme Values Jan 1969

EXTREME VALUES

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FROM DAILY OBSERVATIONS SNOW DEPTM

73-76

CHARLESTON, SOUTH CAROLINA STATION NAME

13758 STATION

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YEARS

/BASED ON LESS THAN FULL MONTHS/

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PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is period. Every month of a year must have valid observations present before the ALL MONTES value is selected column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. selected and printed. These values are then used to compute means and standard deviations for the entire for that year. Means and standard deviations are computed when four or more values are present for any

According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of speed for each direction. d

these data where light and variable winds are reported with no directions but with speeds given, the speeds A separate category is provided on the form for variable winds, which are reported in some data sources. will be summarized in the appropriate groups opposite the column headed VARBL.

- Three tables are prepared for all surface winds included, and for all years combined as follows: 8
- (1) Annual all hours combined
- (2) By month all hours combined
- (3) By month by standard 3-hour groups
- A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet. b.

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NAVWEASERVCOM

EXTREME VALUES

SURFACE MINDS

75-76

CHARLESTON, SOUTH CAROLINA

13758 STATION

YEARS

DAILY PEAK GUSTS IN KNOTS

AR JAN.	22 30	MEAN 30.0	S. D.
FEB.	82 20 E	0.7.0	ē
MAR.	4731 38	38.0	0.0
APR.			
MAY	28 37	36.0	7
, NOI	33735 4524	36.0	7
JUL.	4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	36.5	
AUG.	53 5808	28.0	
SEP.	in	37.0	000
OCT.	56	35.0	1.6
NOV			
DEC.	28 40	40.0	
MONTHS			107

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EXTREME VALUES

FROM DAILY OBSERVATIONS SURFACE WINDS

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/BASED ON LESS THAN 90% DBSERVATIONS FOR MONTH/ YEARS 79-76 CHARLESTON, SOUTH CAROLINA

74 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MONTH	JAN	FEB.	MAR.	APR.	MAY	, vor	JUL.	AUG.	SEP	100	> O Z	DEC.	MONTHS
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(1)		0	0	0	0	0	0	0	0	0	0	0	30
0 0 0 0 20 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7.0	0	0	0	0		0	0	0	c	0	0	0	3 0
20 30 10 3931 20	in	0	0	D						20 32		21 26	20 41	30
	10										200	31 23		25 1.2
O O O										,				****
MEAN S. D.														-
MEAN S. O.														-
S. D.														-
AEAN O. O.														
S O O														
MEAN OO O														
SO O														
MEAN SO D.														
MEAN S. D.														
O of	MEAN													
The same and the s	S. D.													-

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13758 STATION

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HONTH	0	HOURS (L.S.T.)	
YEARS			
CHARLESTON, SECTION NAME STATION NAME	ALL MEATHER	CLASS	CONDITION

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SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	55	55 ≥ 56	
z	3, 2	5.4	5.4	1									1.5.1
Z	2.2	2.2	-										5.4
NE	1.1	2.5	1.1	1:1									6.9
ENE				-									1.1
F													
ESE													
SE													
SSE	3.2												6 3
S	2.2	1.1	2.2	1:1	1.1								7.5
SSW	3 8	3.0		-									0.7
SW	1.1	1.1	2								1		5.4
WSW	1.1	1.1	2.2										4
*	2.2	5.4	2.2	-									10.8
WNW	1.1	I.I.	3.5	1.1							. 1		6.3
¥				1.1									, me
NNN		1.1		2.2									50
VARBL													
CALM	\bigvee	X	X	X	M	X	\bigvee	\bigvee	\bigvee	\bigvee	V V	X	19.4
			-										4 4 4

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS	*0		
STATION NAME	ALL	CLASS	NOLLONOS

11111

	1.3	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 · 55	95	%	WEAN WIND SPEED
z		4.3	4.3	2.2								10.8	80
NNE	1.1	2.2	3.2	1.1								7.5	7.4
Ä			1.1									1.1	7.0
ENE	2.2	1.1	2,2	1.1								6.9	6.2
w		7.7										1.1	0.4
ESE													
SE													
SSE			2.5									2.2	8.0
s		2.2				-						5.6	11.2
SSW	4.0	2.5										5.	3.1
NS.	1.1	3.2	1.1									2 0	5.4
WSW	3.2	2.2	2.2	1.1								8.6	6.4
*	1.1	3.2	2.2									6.5	. S.
WNW	1.1	2.2	3.4	1.1								1.0	7.4
¥				7.7								7.1	13,0
NNN	1.1	1.1	1.1									es	4.7
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	M		\bigvee	\bigvee	X	M	A3.7	
	17.2	24.7	24.7	7.5	1.1	1.1						10000	5.2

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5702 SURFACE WINDS JAN 68

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	YEARS	0.0	9	
CHARLESTON, SOUTH CAMOLINA NEURO	STATION NAME		CLASS	NOLIGNOO

SPEED 1.3 4.6 7.10 1 DIR.	z.2 2.2	2.2	2.2		E Lei Lei	ESE	SE	SSE 2.2	S		3w 1. 1.	10	3.2 4.3	2.2	N	2.2 1.1 3	VARBL	CALM	
11 - 16 17 - 21	2,2	1.1										2.2	7.7	1.1				X	
22 · 27											1.1							X	
28 - 33 3																		$\langle \cdot \rangle$	
34 - 40 41 - 47																		X	
48 - 55																		$\langle \rangle$	
% AI																		\bigvee	
%	6	න . හ	5.4		N.			2.2	3.2	6.5	3.6	4.5	8.6	10.8	3.0	0.0		51.0	
MEAN WIND SPEED	9.9	6.8	6.8	7.0	w.			2.5	3.7	7.0	11.3	7.9	4.8	4.0	6.3	5.00			4

13758 STATION

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TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAC	HUNDH	10	HOURS (L.S.	
CHARLESTON, SOUTH CARDLINA NWSED 74-75	STATION ALKE	ALL WEATHER	CLASS	CONDITION

13758 STATION

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SPEED (KNTS) DIR.	1.3	9 - 4	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	95 VI	%	
z	1.1	3.4	0 (10)	4.0								12.	o-
NNE			3.8	2								7.5	(2)
NE.			6.3									4.3	ed.
ENE		2 . 2										3.5	~
m.	1.1	7 . 7		-								3.6	***
ESE	1.1											7 . 7	-2
SE													
SSE	ov.											3.6	
S		200										3.2	2
SSW	•	4.0	7 * 7									7.5	2
SW	1.1	7 . 7		4 0 4								3.5	N.2
WSW		2.2		202								2.	4
*	3.5	3 . 2	C	•	7 . 7							12.9	on
WNW	1.1		6.4									2.4	
3×		4.3	6.3		~ *							35	-
NNN		1.1	1, 8, 1	7 . 7								13	Out I
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	14.0	-
	16.0	29.0	24.7	15.1	2.2							100.0	-

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

(FROM HOURLY OBSERVATIONS)		
CHARLESTON, SGUTH CARDLINA NWSED 74-76	3	MAL
	YEARS	MONTH
ALL SEATHER		13
CLASS	KOUR	HOURS (L.S.T
CONDITION		

NNE NE	2.2 6.5 1.1 1.1 1.1 3.2 2.2 1.1 2.2 1.1 1.1 2.2 1.1 1.1 2.2 1.1 1.1 2.2 3.2 1.1 2.2 3.2 1.1 2.2 3.2 1.1 2.2 3.2 1.1 2.2 3.2 1.1 1.1 2.2 3.2
1.1 2.2 2.2 1.1 1.1 1.1 2.2 3.2 1.1 1.1 2.2 3.2 1.1 2.2 3.2 1.1 2.2 3.2 1.1 1.1 2.2 3.2 3.2 1.1 1.1 2.2 3.2 1.1 1.1 3.2 1.1 3.2	1.1 2.2 2.2 1.1 1.1 1.1 2.2 3.2 1.1 1.1 2.2 3.2 1.1 1.1 2.2 3.2 1.1 1.1 2.2 3.2 1.1 1.1 2.2 3.2 1.1 1.1 3.2 2.2 1.1 1.1 3.2 1.1 3.2
1.1 2.2 1.1 1.1 1.1 1.1 1.1 2.2 3.2 3.2 3.2 3.2 1.1 2.2 3.2 3.2 3.2 1.1 2.2 3.2 3.2 3.2 1.1 3.2 2.2 1.1 3.2 1.1 3.2	1.1 2.2 1.1 1.1 1.1 1.1 2.2 3.2 1.1 1.1 2.2 3.2 3.2 1.1 2.2 3.2 1.1 1.1 2.2 3.2 1.1 1.1 3.2 1.1 3.2 1.1 3.2
1.1 3.2 1.1 1.1 2.2 3.2 3.2 1.1 1.1 2.2 3.2 3.2 1.1 2.2 3.2 1.1 2.2 3.2 1.1 1.1 2.2 3.2 1.1 1.1 3.2 1.1 3.2	1.1 2.2 1.1 1.1 2.2 3.2 1.1 1.1 2.2 3.2 3.2 1.1 2.2 3.2 3.2 1.1 2.2 3.2 3.2 1.1 2.2 3.2 3.2 1.1 2.2 2.2 1.1 3.2 1.1 3.2
1.1 2.2 1.1 1.1 2.2 3.2 1.1 1.1 2.4 6.5 3.2 1.1 1.1 2.2 3.2 1.1 1.1 2.2 3.2 1.1 1.1 2.2 1.1 3.2 1.1 3.2	1.1 2.2 1.1 1.1 2.2 3.2 1.1 1.1 2.2 3.2 1.1 2.2 3.2 1.1 2.2 3.2 1.1 2.2 3.2 1.1 2.2 1.1 3.2 1.1 3.2
1.1 2.2 1.1 4.3 3.2 1.1 2.2 3.2 1.1 2.2 6.5 1.1 1.1 2.2 6.5 1.1 1.1 3.2 2.2 1.1 3.2	1.1 3.2 1.1 4.3 3.2 1.1 2.2 3.2 1.1 2.2 3.2 1.1 2.2 0.5 1.1 1.1 3.2 2.2 1.1 3.2 1.1
2.2 1.1 1.1 2.2 3.2 1.1 2.2 3.2 1.1 2.4 2.2 3.2 1.1 3.4 2.2 1.1 1.1 3.2 2.2 1.1 1.1 1.1 1.1 3.2	2.2 1.1 1.1 2.2 3.2 1.1 2.2 3.2 1.1 2.2 0.5 1.1 1.1 3.2 2.2 1.1 3.2 1.1
1.1 1.1 2.2 3.2 1.1 2.2 3.2 1.1 2.2 0.5 1.1 1.1 3.2 2.2 2.2 1.1 1.1 3.2	1.1 1.1 2.2 3.2 1.1 2.2 3.2 1.1 2.2 6.5 1.1 1.1 3.2 2.2 1.1 3.2 1.1
1.1 2.2 3.2 1.1 2.4 3.2 1.1 2.2 0.5 1.1 1.1 3.2 2.2 2.2 1.1 1.1 1.1 3.2	1.1 1.1 2.2 3.2 1.1 2.2 6.5 1.1 1.1 2.2 6.5 1.1 2.2 1.1 3.2 2.2 1.1 3.2 1.1
1.1 1.1 2.2 3.2 1.1 2.2 6.5 1.1 1.1 3.2 2.2 2.2 1.1 1.1 1.1 3.2	1.1 1.1 2.2 3.2 1.1 2.2 6.5 1.1 2.2 2.2 1.1 1.1 3.2
1.1 2.2 6.5 1.1 1.1 3.2 2.2 2.2 1.1 1.1 1.1 3.2	1.1 2.2 6.5 1.1 1.1 3.2 2.2 2.2 1.1 1.1 1.1 3.2
1.1 2.2 0.5 1.1 1.1 3.2 2.2 2.2 1.1 1.1 1.1 3.2	1.1 2.2 0.5 1.1 1.1 3.2 2.2 2.2 1.1 1.1 3.2
2.2 2.2 2.2 1.1 1.1 1.1 1.1 3.2	2.2 2.2 1.1 1.1 1.1 3.2
1.1 1.1 1.1 3.2	1.1 1.1 1.1 3.2
1.1 1.1 1.1 3.2	1.1 1.1 3.2
	VARBL
CALM	

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SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAL	HINOH	16	HOURS (L.S.T	
	YEARS			
CHARLESTON, SOUTH CAROLINA NESTO 74.70	STATION NAME	ACHTAR JA	CLASS	СОМВІТІОМ

1234-18766

5702 SURFACE WINDS JAN 68

TOTAL NUMBER OF OBSERVATIONS

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TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24	HINON	19	HOURS (L.S.T.	
CACADO CACADO TACADO TACADO CACADO CA	CTENTED COUNTY CARTILLY STATE OF THE COUNTY CARTILLY CART	ALL ENT THE	CLASS	CONDITION

13758 STATION

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SPEED (KNTS) DIR.	z	ZZ	NE NE	ENE	9	ESE	SE	SSE	S	SSW	SW	wsw	3	WNW	××	NNN	VARBL	CALM	
1.3	2.5		~		*		\$		6.9	~	7 • 7		2.2	7.7		A . A		X	
9 . 4	3.2		2.2		,(i				2.2	6.5	3.5	2.5	4.3	1.1	2.5	2.5		X	
7 - 10	2.2	2.2	7.7	3.5	2.2			1.1	6.4	3.2		3.	2.5			1.1		X	
11 - 16									2.2		1.1		7 . 7	2,2	7.97			X	
17 - 21																		\bigvee	
22 - 27																		X	
28 - 33																			
34 - 40																		\bigvee	
41 - 47																		\bigvee	
48 - 55																		X	
99 Al																		\bigvee	
*	7.5	2.5	6.4	4.3	7.5		5.4	1.1	12.9	œ	3.6	8	2.6	7	3.2	6.9		7.5	
WEAN WIND SPEED	5.6	7.0		7.3	4.1		0.6	8.0	9.0	3.4	8 9	9.9	3	7.8	30	5.0			

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

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SPEED (KNTS) DIR.	1.3	9.	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	95 1	%	MEAN WIND SPEED
	3.2	3.2	3.5	1.1								10.8	6.1
NNE	1.1	2.2	14									6.5	6.3
[1.1	1.1	200									5.4	6.3
ENE	1.1		1.1									2.2	5.5
	2.2	-4										2 6	3.0
ESE		1.1										1.1	0.4
SE													
SSE													
s	2.2	2.2		2.2								6.9	0.5
SSW	6.3		2.2	2.2								10,3	6.2
NS.	7 . 7	0.30										10.8	6.4
WSW		-4	3.2	7:1								3.4	4.00
	2.2	3.5										9.0	5.1
N	2.2	7.7										7.5	4.0
				1.1								2.2	10.0
NN.	1.1											1.1	3.0
VARBL													
CALM	\bigvee	X	X	X	X	X	\bigvee	\bigvee	X	\bigvee	X	19.61	
	21.5	26.9	24.7	7.5								100.0	4.8

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744

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

	MAL	YEARS	ALL	HOURS (L.S.T.)
(TROM TOOKE OBSERVED ON	SOUTH CAROLINA NWSED 74-76	STATION MAKE	ALL MEATHER	CLASS
	CHARLESTON,			

13758 STATION

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SPEED (KNTS) DIR.	1.3	9.4	7 - 10	81 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	ام م	*	WIND SPEED
z	2.2	3.6	2.6	2.3								10.8	7.2
NNE	30	1.5	2.4	8.								en en	7.1
w Z	4.		6.1	-:								0.4	6.6
ENE		. 7	~	•								3.2	6.8
w	1.1	7 . 7	. 1	6.								3.5	5.7
ESE	4.	. 3											4.7
SE	6	4,	7.									1.5	3.9
SSE	1.2	6.	1.1	7:								3.4	5.2
s	10.	3.0	5.1	1.1	101							1.4	7.4
SSW	2.2	3.5	2.2	1.2		•						6.9	6.7
SW	0	5.4	7.5	*	•							2.5	6.7
WSW	1.1	2.2	2.0	1.6	•							7.0	7.7
>	2.0	3.5	3.0	0.	•							6.5	6.3
WNW	1.3	6.1	3.0	6.	ere.							7.4	7.3
¥	103	1.2	2.1	1.								3.5	8.1
NNN	3.	1.1		æ.								4.3	7.8
VARBL													
CALM	X	\bigvee	X	X	X	X	X	\bigvee	X	\bigvee	\bigvee	14.5	
	17.7	28.5	25.8	12.0	70	4.				t		100.0	5.9

113

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

	m m	HTHOM	10	HOURS (L.S.T	
DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CARDLINA NWSED 73-75		ALL WEATHER	CLASS	CONDITION

13758 STATION

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(KNTS) DIR.	1.3	4.6	7 - 10	91 - 11	17 · 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	% %	*	WEAN WIND SPEED
z		3.1	5.3									7.1	7.8
NN	·											0.	2,0
w Z		6.	5.	20								0.0	6
ENE	1.6	•	0.	, s.								5.3	
w		5.	0.									20 - 1	5.5
ESE	1.6												2.5
35													
SSE				5.								•	15.0
s			60									3.5	80
SSW		2.7	3.5									6.2	7.7
SW	6.		5.3	6.								7.1	7.4
WSW	2.7	5.4										12.4	9.9
*	3.5	5,3	100	1.6								14.6	0
WNW		6.	2.7	8.1								0	6
¥	1.8	5.	1.8	J.								5.3	7.5
NNN	6.	00 •	3.5									6.2	0
VARBL													
CALM	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	M	\bigvee	\bigvee	X	\bigvee	18.6	
	14.2	20.4	35.4	11.5								100.0	5.9

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113

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

FEB	HONTH	*0	HOURS (L.S.T.)	
	YEARS			
73-76		MEAT LER	CLASS	CONDITION
CHARLESTON, SOUTH CAROLINA NWSED	STATION NAME	3 17		93
13758	STATION			

The state of the s

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 95	%	WEAN WIND SPEED
z	0	6.2	10	2.7								13.3	7.5
N.		1.8		6.								20	7.5
¥ Z		6.		6.								3	8,8
ENE			6.									6.	8.0
	5.	0		6.								2.7	0.9
ESE	5											6.	2.0
SE	0.	7.9										2.7	4.0
SSE													
S		2.7	6.			6.						7.4	9.6
SSW		1.8	1.8	6.								4.4	80
NS.	90	6.3	es.									2.6	4.9
WSW		2.5	30		6.							8	
*	3.5	4.4	2.7	5.	0.							10.6	8.9
WNW	0	3.1	4.4	3.								0 8	7.6
¥	5	9.4	1.8									4 4	0.9
NNN	6.	2.2	6.	6.								5.3	6.3
VARBL													
CALM	X	X	\bigvee	X	X	X	\bigvee	\bigvee	X		\bigvee	o•8₹	
	6.3	31.9	28.3	80.80	1.8	6						100.0	3.

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113

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	88	HONTH	0.0	HOURS (L.S.T.)
(FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CARDLINA NWSED 73-70	STATION NAME VEARS	ALL MEATHER	CLASS
	13758	STATION		

CONDITION

The state of the s

SPEED (KNTS) DIR.	z	NNE	ä	ENE	w	ESE	SE	SSE	s	SSW	SW	WSW	>	WNW	××	ANN	VARBL	CALM	
1.3	in.	1.8	0	1.8	0.						3	2.3	3	e .	6.	0.		X	1
9.4	0.8	1.3		œ. -~				5.	3	2.1	1.00		00	~				\bigvee	
7 . 10	1.8	00		1.8	5.			•		1.0	6.	2.1	3.5	2.7	°	30		X	
91 - 11	1.8	1.8		6.					0		6.	2.7						X	
17 . 21	1.8									5.			7.08					X	-
22 - 27																		X	The rest leading to the lead of the lead o
28 - 33																		X	
34 - 40																		X	
41 - 47																		X	
48 - 55																		X	,
% AI																		X	
*	16.8	7.1	5.	2.9	9			0.	2.7	20	0	0.0	10.6	2.5	4.4	2.1		15.0	
MEAN WIND SPEED	7.	7.0	2.	4.9	2			6.5	8.7	000	6.3	7.6	7.4	7.4	5.6	6.3			

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671

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CHARLESTON, SUUTH CARDLINA NWSED 73-76 STATION NAME ALL WEATHER CONDITION CONDITION
SOUTH CARDLINA NWSED 73-76 STATION NAME ALL WEATHER CONDITION
SUUTH CARDLINA NWSED STATION NAME ALL M

(KNTS) DIR.		9 . 4	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	λi	% AI	%
z	25	2.7	1.8	4.4	6.								15.0
NNE	6.	4.4	50										7.1
¥		5.3	4 . 4	6.									10.6
ENE	5	10	(43)	6.									7.1
w	8.7	6.											2.7
ESE													
35		3.											6.
SSE			6.	30 · ·									2.7
s	2.7		0.										3.5
SSW		0.	7	1.8	6.								5.3
SW		4.4	4.4			6.							6.1
WSW			2.7	1.8									5° 5
*		7.1	5	6.	5.								12.4
WNW		6.	9	3	6.								7.1
¥	0.		3.8										2.7
NNN				3.8									1.8
VARBL													
CALM	M	\bigvee	X	X	X	X	X	X	X	X	\bigwedge	$\backslash / $	7.1
	12.4	0.00	31.0	0.81	2	0							100.0

13758 STATION

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TOTAL NUMBER OF OBSERVATIONS

The state of the second second

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAME OF STREET

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SPEED (KNTS) DIR.	- 3	4.6	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 55	%	WEAN WIND SPEED
z		200	60	3.5	5.							10.6	1
NNE	•		30									4.4	
ž	7.6		6.									2.7	-
ENE		3°	ec)									2.	-
w	5.	0.	-		7.							4.4	-
ESE			CES -									7.0	-
SE			2.3									2.7	-
SSE			2.7	6.								n n	-
s		500	6.									. S.	-
SSW	0	en.	3	* · · ·								10.6	
NS.		2.7		w.								0.8	-
WSW		*	2.00	in.	3.							6.7	-
*		2.7	7.1	2.3								12.4	-
WNW		0.	5.	00								540 W	
×	•		2.7									en.	-
NNN		6.	e0 • (æ• - T								4.4	-
VARBL													-
CALM	X	X	X		\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	7.1	-
	50	22.1	38.1	24.8	2.7							100.0	-

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

833	HONA	16	HOURS (L.S.T.)	
3-76	YEARS	C WIT		N.
HARLESTON, SOUTH CARDLINA NWSED 73-75	STATION NAME	ALL WEDTHER	CLASS	COMPILION
13758	STATION			

SPEED (KNTS) DIR.	z	ZZ	Z.	ENE		ESE	SE	SSE	s	SSW	»S	WSW	*	WNW	À.	NNW	VARBL	CALM	-
1.3	3.					5.	6		6.			6.	2.7					X	1
9.4	0.			2.7	6.	· •	6.	0.	2.5	-		6.						\bigvee	
7 - 10	3.5			0.	2.7		2.0	2.5	4.4	2.7	0.	0.0	20			1.3		X	
11 - 16	2.7	0.			2.7			6.	3	5.3	2.3	4.4	4.4	8.1	1.8	6.		\bigvee	
12 - 71									0.	1.8		@.						\bigvee	
22 - 27																		\bigvee	
28 - 33																		\bigvee	
34 - 40																		\bigvee	
41 . 47																		\bigvee	
48 - 55											*							X	
۸۱ کو																		X	
*	8.0	6.	T 33	20	5.5	5.3	4.4	8.0	14.6	11.5	5.3	13.3	10.6	1.8	T.	2.5		or .	
MEAN WIND SPEED	8.7	12.0	0.6	0.9	10.3	6.8	6.8	8.2	6.6	11.5	10.0	-	0.6	13.0	-	0.6			

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

FEB	HONTH	19	HOURS (L.S.T.)	
	YEARS			
73-76		ALL WEATHER	CLASS	CONDITION
CHARLESTON, SOUTH CAROLINA NWSED 73-70	STATION NAME	4 TH		55
13758	STATION			

222

z	1.3	4 6	7 - 10	91 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 95	%	WIND WIND SPEED
NZ.	6	6.		1.6								3.5	9.3
-	6	0.	20									6	6.3
¥		6.		5.								×	
ENE	6.			3.4								2.1	6.3
a	cei	2.0	00	6.								6.7	5.8
ESE	2.7	3.	6.									4.4	4.4
SE	0	6.										2.7	3.3
SSE	0.	· •	20.									4.5	6.2
s	0.00	9	2	3								10.6	7.3
SSW		m.	2.7		0.							7.1	CO .
SW.	5.	3.5	6.2	3.5								7.41	œ
WSW	no 	2.7	er:	5.								0.01	6.4
*	2.7	en.	7.00	5.	0.							6.4	
WNW	6.		en en	- C								6.2	æ
ž	0.											•	3.0
NNN		33.	1.8									8.5	0.9
VARBL													
CALM	\bigvee	\bigvee	X	\bigvee	X	\bigvee	\bigvee	\bigvee	X	X	\bigvee	4.4	
	20.4	28.3	29.2	6.81	3.6							100.0	6.7

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5702 SURFACE WINDS JAN 68

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

FFR	HTNOM	2.2	HOURS (L.S.T.)	
	YEARS			
CHARLESTON, SOUTH CAROLINA NESSED 73-76	ION NAME	ALL MEATHER	CLASS	ROLANINO

SPEED (KNTS) DIR.	1.3	9 . 4	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 25	%	WIND SPEED
z	6	30.		1.8								4.4	7.2
NN				00								3	9.8
Z.	0.		6.									(X)	4.5
ENE	0		0.									3.5	5.
	1.8	6.	•	6.								4.4	7.2
ESE				6.								6.	11.0
SE	ch.											6.	2.0
SSE	6			o-								1.8	7.5
s	0	1.0	0.	20.								6.2	7.3
SSW	o.			30.								6.2	7.
SW.	2.7	4.4	50	6.								11.5	0.9
wsw	0.	4.4	30	6.								11.5	7.0
*	2.8	2.7	2.7	8.7	6.							7.6	7.
WNW	1.8	6.		2.7								7.5	80
*×		6.	163									4.4	7.6
NNN		8.9	6.									2.3	5.3
VARBL													
CALM	\bigvee	19.5											
	6.51	24.8	23.0	15.9	0.							100.0	5.8

13758 STATION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	LARS	ALL		
HARLESTON, SOUTH CAROLINA NESED 73-70	STATION NAME	ALL YEAT THE	CLASS	

-

z	 	9.4	7 - 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8	*	WIND
NN un	1.5	6	2.4	2.3	4.							9.6	7.9
42	7	1.5	2.1	. 7								4.1	6.9
145	3			0.								3.3	7.6
ENE	70		1.0									4.3	7.1
3	1.0	1.3	1.1	.7	•							4.2	6.8
ESE	ten	en.		-								5.7	5.8
SE	9.	0.	1, 9									1.8	5.4
SSE	.2	4.		. 7								5.5	8.5
S	1.1	 	1.7	1.5	1.							6.3	8.1
SSW	2.	2.3	2.2	7.00	•							7.1	4.6
SW.	1.0	2.7	10	5.		₹.						8 8	7.7
WSW		2.2	03	2.2								9.6	8.4
*	0.8	3.4	33	1.1								11.3	7.4
WNW		6.	2.4	1.5	•							6.1	60
××	30	. 7	1.7									\$ • E	7.0
NNW	663	1.1	1.5	6								(3.)	7.7
VARBL													
CALM	X	X	X	X	X	X	X	\bigvee	\bigvee	X	\bigvee	11.4	
	13.6	24.7	30.9	10.9	2.3	• 2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

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5702 SURFACE WINDS JAN 68

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HOURS (L.S.T.)

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5702 SURFACE WINDS JAN 68

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	73-76
Construction	73-76
	73-75
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	YEARS			
13m10		LEATHER.	CLASS	CONDITION
NNOED		ALL		
CARULINA	AME			
SUCTA	STATION NAME			
STONE				

NNE	3. 4.0 3. 4.0 3. 4.0 3. 4.0 3. 5.0 3. 5.0	SPEED (KNTS) DIR.	1.3	9 - 4	7 - 10	01 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	4	47 48 . 55	
3. 2. 2. 2. 3. 3. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	3. 3. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	z	-0	0.4										
1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	3. 2. 4. 5. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	NNE	(1)		03:									
1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	ZE			00									
1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.65	3. 5. 1. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	ENE		40										
1,66 1,66 1,6 2,4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1,00 1,00	3												
1.6 1.6 1.6 2.4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1.66 1.66 1.66 1.66 1.66 1.66 1.66 1.66	ESE	3.0	-										
1.66 1.66 2.64 .8 1.66 3.60 1.60 2.64 1.66 3.82 1.60 1.60 1.60 2.66 6.0 6.8 1.60 2.66 6.0 6.8	1.00 1.00 1.00 2.04 8.00 1.00 1.00 2.04 8.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	SE	63			30 *								
1.65 1.66 2.44 .8 1.65 2.44 .8 1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.65	1.00 2.40 2.44 2.00 1.00 2.44 2.00 1.00 2.44 2.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	SSE		1.6	1,0									
1.66 3.6 1.6 2.4 3.2 1.5 1.6 1.6 3.2 4.0 4.8 1.6 .8 1.66 2.4 4.8 4.8 .8	3.6 1.6 2.4 1.6 3.2 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	S	1.6	1.0	5.64	20.								
1.6 3.2 1.5 1.6 3.2 3.2 1.5 1.68 1.68 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1.66 3.2 1.6 1.6 3.2 4.0 4.8 1.6 1.06 2.4 4.0 .8	SSW	5 .	5.6	1.6	5 * 4								
1.6 3.2 1.5 1.6 3.8 3.2 1.6 4.8 1.6 4.8 1.6 1.6 1.6 1.6 1.6 1.6 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	1.66 3.2 1.5 1.6 1.6 3.2 1.6 4.8 1.6 4.8 1.6 2.4 4.0 4.8 1.6 1.6 2.4 4.0 4.8 4.0 4.8 4.0 4.8 4.0 4.0 4.8 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	SW	00	5.0	1.0						1			
3.2 4.0 4.8 1.0 2.4 4.0 .8	3.2 4.0 4.8 1.0 2.4 4.0 .8	WSW	7.0			7.0								
1,6 2,4 4,0 ,8	1.0 2.4 4.0 .8 1.0 .8 .8	*	3.6	0.4	3.4									
1. 6. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	ख • ख •	WNY	1.0	*										
		NW	7.0			0.	D.							
	RBL	WNI												
CAIM			1.5.3	35.35	23.4	11.3	2.6							

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5702 SURFACE WINDS JAN 68

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TOTAL NUMBER OF OBSERVATIONS

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5702 SURFACE WINDS JAN 68

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED	(FROM HOURLY OBSERVATIONS)	

MAR	11100	70	HOURS (L.S.T.)	
	YEARS			
HARLESTON, SOUTH CAROLINA NASED 73-70	STATION NAME	ALL WEATHER	CLASS	CONDITION

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 85	*	
z	89	1.6	02	1.6								1 1	4.8
NE	0.4	7.0	4.5										•-• ec
ž	3.1	0.7	9.7	00									2.6
ENE	5.4	0.7	0.03	a									5.6
e e	00												0
ESE													
SE													
SSE	1.6		on •										2.4
S		00	0.4	3,									2.0
SSW	: •	0.4	~	eo.									6.8
SW.	3	•	2.4	3.4									0.0
WSW	1.0	4.5	200	63									
*	3.2	3.8	8.4									~	1.3
WNW	1.6	5.2	9.1	3.2									8
ž		æ.	200										
NNW			00) •										
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	-	17.7
	10.01	21.00	29.8	11.3								101	100.0

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5702 SURFACE WINDS JAN 68

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

CHARLESTON, SOUTH CAROLINA NUSED 73-76 YEARS STATION NAME ALL WEATHER OT HOURS LLST	(FROM HOURLY OBSERVATIONS)	
STATION NAME ALL MEATHER CLASS	-	MAR
	STATION NAME	MONT
	ALL ZEEZ	60
	CIV8S	MOURS (L.

13758 STATION

SPEED (KNTS) DIR.	3	4 . 6	7 - 10	11 - 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۸۱ کو	%	MEAN WIND SPEED
z	2.4	0,4	0.	9.	00							13.7	7.
NNE		1.0	0.4	5.4	93							6.1	8.8
ž	002	9.1	æ.	80								0.4	0.9
ENE							8					£.	30.0
w	0.	4.	on •									4.8	4.8
ESE	20											ex:	3.0
SE	1.6											1.6	2.0
SSE													
s	50	1.6	1.6									0.4	0.9
SSW	33	3.8	1.6									5.0	6.3
SW.	1.0	20	0.4	•	30							10.5	7.5
WSW	1.0	200	5.4	1.6								6.8	7.2
>	5.4	5.8	1.3	30								12.9	7.3
WNW	85	~	00	1.0								6.9	
¥			5.2									3.5	6.5
MNN		30.	æ									1.6	0.9
VARBL													
CALM	X	X	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	11.3	
	16.1	28.2	32.3	9.8	2.4		80					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	MAR	TEXON	10	HOURS (L.S.T.
(FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CARDLINA NWSED 73-70			CLASS
	13759	STATION		

222

1.6 4.0 4.0 4.0 4.0 4.0 4.0 4.0 1.6 4.0 1.0 1.6 4.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	2.4 4.0	1.6 4.0 2.4 2.4 2.6 2.4 2.4	1.6 4.0 2.4 2.4 2.6 4.0 3.6 4.0 3.6 4.0 3.6 4.0 3.6 4.0 3.6 4.0 3.6 4.0 3.6 4.0 3.6 4.0 3.6 4.0 3.6 4.0 3.6 4.0 3.6 4.0 3.6 4.0 5.0 4.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	2 2 4 4 7 2 6 4 4 7 2 6 4 4 7 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2 4 2 7 8 8 9 8 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8
2 4 4 2 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2 4 5 0 4 5 0 4 5 0 4 5 0 4 5 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	200 4998 490	200 4000 4000
2.4	2.4	2.4	2 4 2 2 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4	0 4 9 9 4 8 0 4 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0 4 9 9 8 4 8 O N
4.00.08	4000	4.00.00	2.4	7 2 2 7 3 0	4000 4000
4000	2.4	2.4	2,4	7 2 2 7 2 7 4 2 7 4 7 7 7 7 7 7 7 7 7 7	7 2 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
20.8	000	2 4.5	9 4 5 3°	3 4 3 7 3 7	2 4 2 2 4 6
⊕ a.	2 m	7.6 8.7.7 7.4	2° 7° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2°	0 8 7 0 0	2 2 2 2 N
ග	00	8.	8 3.	w + w 0	8 4 0 0 N
	1.0	2.4	7. 2	7 3 7	7000

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TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 68

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

200	TLYON	13	HOURS (L.S.T.)	
73.76	YEARS	ATTEX	551	сомытюм
HART BOTTON . COUTH CARDI INA NEISED	STATION NAME	ALL MEATHER	CLASS	амоз

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 . 33	34 - 40	41 - 47	48 · 55	۶۶ ۱۸	%	MEAN WIND SPEED
z		0.4		2.4								6.5	7.8
N.	33	0.4										3 4	5.0
N.	œ.	œ.	03									5.4	5.7
ENE	1.0	7.6	1.6		0							5.0	6.9
w			3.6	æ.								2.4	6
ESE	30	7.6	0.4	æ.								1	7.3
SE	30	3.6	2.4	7.6								6.5	7.
SSE		5.4	4.0	5.4								8.9	20
s		a	3.2									4	80
SSW			7.0	3.2	7.6							6.9	13.9
SW.			1.0	0.4	-							6.5	13.5
WSW		Φ.	64	3.5	0.4							10.5	14.2
*	30	2.4	0		20							12.9	9.2
WNW		3.1	3.6	2.4								9.6	9.6
¥	0.		1.0									2.4	7.0
NNN			2.4	8.								3.8	10.0
VARBL													
CALM	\bigvee	X	X	\bigvee	3 2								
	6.5	21.8	34.7	25.8								100.0	9.2

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DUTH CARDLINA NE	SED 73-76
STATION NAME	YEARS
	ALL WEATHER
	CLASS
	COMPITION

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SPEED (KNTS) DIR.	1.3	9.4	7 . 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۲۱ ود	8	WEAN WIND SPEED
z		1.0	**									2.4	7.0
NN		3.0	2.4									0.4	
ž			00	8.								1.6	-
ENE													
w.		0.9	1.0	8.4								AC	10.2
ESE	000	4.7	e . 4									x	
SE			30 4									4.8	
SSE		4.5	~• e	æ.								11.3	6.6
s	æ.		0.4	6.5								12.1	_
SSW			1.6	0.4	1.6							1.3	_
SW	හ		5.4	6.9	1.0							11.3	12.6
WSW		3.0	80	0.4	€ 8°							7.3	_
3	0		5.4	\$ 4	9.1							10.5	_
WNW	30		œ.	7.6								3.2	_
ž			0									1.6	
NNN	100	2.6	0	0								0.4	
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	5.4	
	3	14.5	37.9	34.7	5.0							100.0	

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAR	HTHOW	19	HOURS (L.S.T	
	YEARS			
CHARLESTON, SOUTH CAROLINA NEVED 73-70	NAME	ALL SINATING	כוְעְּצָּב	CONDITION

SPEED (KNTS) DIR.	- 3	9.	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	95 VI	%	
z	8	00		8.								2	2.4
N.	00	œ.										-	1.6
¥			00										00
ENE			1.6									-	9.
w	9.0	· 4	0.4									14.5	2
ESE	1.6	5.4	2.4									6.5	1
SE	1.6	3.2	2.4									7.3	-
SSE	80	2.4	1.6									8 4	00
s	2.4	9	6.5	1.6	20.							12.1	
SSW	00	3.8	0.4	1.0								0	1
SW		0.4	1.6	1.6	æ							co	
WSW	·	0.4	1.0	3.2								o-	-
*	00	œ.	8.4	3.2								G.	-
WNW		03	5.4									(*C)	N
¥		9.		8.									0
NNN		1,6	. 8									ry.	3
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	X	\bigvee	X	\bigvee	\bigvee	0.4	0
	16.1	30.6	34.7	12.9	9.							100.0	0

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TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	NAN	X PROX	22	HOURS (L.S.T.	
(FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CAROLINA NWSED 73-76	STATION HAME	ALL MEATHER	CLASS	CONDITION

13758 STATION

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5702 SURFACE WINDS JAN 68

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

	СОМВІТІОМ
SENON	CIASS
AL	ALL WEATHER
LHOW	STATION NAME
MA	AROLINA NWSED 73-76
	(FROM HOURLY OBSERVATIONS)
	DIRECTION AND SPEED

13758 STATION

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SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	99	%	MEAN WIND SPEED
z	7.	2.4	1.2	1.4								5	7.5
NX.	1.0		1.7	0.	•							6.4	6.9
ž	•	7.7		9.	•							3.9	7.3
ENE	Ф.	1.3	1.0	4.			~.					00 m	7.0
w	1.2	0.	20									2.0	6.8
ESE	0	1.4	1.5	-:								3.9	5.9
SE	100	7.0	7.4									0.4	
SSE	0	1.3	2.5	9.	•							8 4	
s	4 · I	1.1	2.9	1.0	er:							7.4	8.4
SSW	to	~	2.2	2.0	ur.							0.	9.2
NS.		3.6		6.1	ars.							7.7	3 8
wsw	0.	2.7	3	2.5	•							6.5	9.8
>	1.8	2.7	4	2.5								11.9	5.6
WNW		1.7	0.2	4.7								120	0.0
×	4.		1.3	**	.3							2.7	œ
*NN		67	0.1	.2	•							5.0	50
VARBL													
CALM	\bigvee	X	X	X	X	X	X	X	M	\bigvee	M	න	
	13.7	26.3	30.8	17.0	50	-	-					100.0	7

TOTAL NUMBER OF OBSERVATIONS

266

NAVWEASERVCOM

TOTAL NUMBER OF OBSERVATIONS

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5702 SURFACE WINDS JAN 68

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

APR	нтиом	0.1	HOURS (L.S.T.)	
	YEARS			
CHARLESTON, SOUTH CAPOLINA NASED 73-76	STATION NAME	ALL WEATHER	CLASS	NOLLINGO

SPEED 1.3 4.6 7.10 11.16 17.21 22.27 28.33 DIR.	2.5 1.7		03	Z.	2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2	ESE .	S. S. S. S.	23. 7 . 4 . 3 SSE	3.3 5.0	SSW . 8 2.5 2.5 1.7 . 8	2.00	WSW 1.7 2.5 5.0 2.5	2.5 2.5 6.7	8. 7.4 8. WNW	SO. MN	S. WWW	VARBL	CAUM
34 - 40 41 - 47 48 - 55																		
% 95 Al	2.0	1.7	2.0		3.5	1.7	6.5		11.7	6.9	10	11.7	63.5	K.		7.4		17.5
WEAN WIND SPEED	00	3.0	3.8		4.0	0.9	2.0	5.5	4.	8	5.8	7.6	7.1	5.0	4.5	6.5		

13758 STATION

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5702 SURFACE WINDS JAN 68

120

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

	APR	HONTH	40	HOURS (L.S.T.)	
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CAROLINA NWSED 73-76		HULL VOX 17V	51455	CONDITION

13758 STATION

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SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 . 21	22 - 27	28 - 33	34 - 40	41 . 47	48 · 55	VI 95	%	MEAN WIND SPEED
z	1.7	2.5	1.07	83	000							7.5	7.1
NNE	90	3.3	20.00	1.1								8 3	7.1
Z.		•										2.5	3.3
ENE													
		(2)										eo.	5.0
ESE			\$. 3	7.0
SE													
SSE	33	3.	1.07									3.3	7.0
s	2	1.7										2.4	3.2
SSW	3.3	in.	2	7.7								10.8	6.9
SW.	1.7	2.5	æ									3.0	4.3
WSW	1.7	5.4	2.4	5.5								12.5	7.7
*	0		0.8	en.								10.0	0.0
WNW	1.7	1.7	7.7	2								7.5	7.9
¥	1.7		100									en en	8.4
NNN	1.7	· ·	00	·								4.2	80
VARBL													
CALM	X	\bigvee	X	X		X	X	\bigvee	\bigvee	X	\bigvee	19.2	
	20.0	26.7	22.	10.6	. •							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

APR
MINOM
10
HOURS (L.S.T

13753 STATION

...

01.7 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0 - s ca ca ca ca	01.7	7.10 2.0.0.2.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.	7 · 10 11 · 16 17 · 21 22 · 2 5 · 0 3 · 3 • 6 6 · 6 · 6	7.10 11.16 17.21 22.27 5 5.0 3.3 .8 8 1.7 .8	7 · 10 11 · 16 17 · 21 22 · 27 28 · 33 5 · 0 3 · 3 6 6 6 6 6 6 6 6 6	7 · 10	7 · 10	7 - 10
	=	20 T T T T T T T T T T T T T T T T T T T	3,3	11 · 16 17 · 21 22 · 27 3 3 3 3 4 3 5 6 8 5 6 8 5 6 8 5 6 8 5 6 6 8 5 6 6 8 5 6 6 6 6	11 · 16 17 · 21 22 · 27 28 · 33 3 • 3 • 8 • 8	11 · 16 17 · 21 22 · 27 28 · 33 34 · 40 3 3 4 · 40 3 4 · 40 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	11 - 16 17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 3 3 3 3 4 - 40 41 - 47 3 3 3 4 - 40 41 - 47 41	11 · 16 17 · 21 22 · 27 28 · 33 34 · 40 41 · 47 48 · 55 3 3 · 3 · 3 · 3 · 3 · 3 · 3 · 3 ·	11 - 16 17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55 \geq 556
			17 - 21 22 - 2	17 · 21	17 - 21	17 · 21 22 · 27 28 · 33 34 · 40	17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 • 6	17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55 • 😅	17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55 \$ 56

5702 SURFACE WINDS JAN 68

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

The state of the second second

SPEED (KNTS) DIR.	3	4	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 . 47		48 - 55	48 - 55 ≥ 56	
z	in.	5.5	1.7	90	53								€*8
NNE	co		2										0.8
Z	515	1.07	4.2	1.0.7									S. 8
ENE		279		8.5									8.6
w			2.3	30									
ESE		(S)	00	30									2.5
SE		7 . 7	en.										
SSE	00		20										8.0
S		100		90									1.1
SSW	00		100	9.									4.2
3W		2,5	2,5	2.5		30							E 80
WSW	9	(SQ)	(L)	3.3	P •								0.01
*	33		æ.	5.0		<u>ه</u>							10.1
WNW	20		53										8
XX				1.7									2.5
NNN		*		9.									1.1
VARBL													
CALM		X	X	\bigvee	X	X	\bigvee	\bigvee	\bigvee	X	1	\bigvee	2.4
	92	25.	35.0	23.3	10	1.7							100 0

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120

TOTAL NUMBER OF OBSERVATIONS

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5702 SURFACE WINDS JAN 68

SURFACE WINDS

PERCENTAGE ERFOLIFINCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CAROLINA NWSED 73-76	
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ALL WEATHER

13758 STATION

CONDITION

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 95		*
z			100									-	
ZZ	8	. 8			00							er:	~
ž		1.07										•	-
ENE		20.	7 * 7									EV.	100
3		1.7	4	2.3	1.7							10.0	0
ESE		100	S. 63									0	1
SE		2	4.2	00								4	2
SSE		150	6.03	3.3								14.	N
s				5.2									C
SSW			G(2)	ري در در	æ							2	0
SW.			1.7	1.1								100	0
WSW		40	4.2	3.3	60							0.	ru
*		5.03 6.03	2.4	6.7	co •							· n	0
WNW			3.3	2								en:	00
×		1.7	1.1	1.7								5	0
MNN		00	33;									•	1
VARBL													-
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	•	25
	50	19.2	45.0	27.5	F. 7							100.0	0

TOTAL NUMBER OF OBSERVATIONS

120

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NAVWEASERVCOM

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

4465

5702 SURFACE WINDS JAN 68

28 - 33

22 - 27

17 - 21

11 - 16

7 - 10

4 - 6

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APR	***************************************	16	HOURS (L.S.T.)
	YEARS		
73-76		EATHER	CLASS
CHARLESTON, SOUTH CAROLINA NESED	STATION NAME	177	
3753	STATION		

CONDITION

WEAN WIND SPEED	8.3	8.0	15.0	7.6		00	0.3	10.1	12.8		11.0	12.4		8.5			10.2
%	2.5	80	00	. D.	S. 8	2.6	14.2	11.7	11.7	2.4	6.7	11.7	(F)	1.7	00 (C)	1.7	100.0
۸۱ وو																	
48 - 55																	
41 - 47																	
34 - 40																	
	1		1			1										1 /	1

30 00 03

2.3

.

SSW WSW

2 6 9 3

2 2

50 m

0

S SE SE

3

00

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1.7

2.5

WNW WNN

VARBL

CALM

0.0%

41.7

10.01

TOTAL NUMBER OF OBSERVATIONS

120

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

	ADA	HUNOH	19	HOURS (L.S.T.)	
(FROM HOOKE)	CHARLESTON, SOUTH CAPOLINA NESED 73-70	STATION NAME	YUL VILLE TIVE	CLASS	CONDITION

-

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 26	%	WIND WIND SPEED
z		503	(IC)									2.3	68.7
N.	7.7											1.7	2.5
¥		30										1 0	4.0
FRE		60.										00	0.4
	8.	6.3	1.7									2.6	5.00
ESE		2.5	1.02	70								2.0	7.7
SE		200	2.5									φ. (2)	0 • 9
SSE	1.7	2.4	3.3	·								10.0	6.3
S	Œ	7.4	4.2	œ.	©.							10.8	7.8
SSW			3.6	5.00	33							14.2	10.0
SW		3,3	3,3									00	8
WSW	0	S. S.	ec	1.1								10.8	8.1
*		2.5	co Let	20								2.6	8.3
WNW	\$		1.7	3.								4.2	7 . 33
¥												•	0.4
NNN		TO .		20.								1.1	3.0
VARBL													
CALM	\bigvee	X	\bigvee	\bigvee	X	X	X	\bigvee	X	X	X	2.4	
	6.7	35.00	36.7	14.2	20							100.0	7.
		l	l			-							

13758 STATION

5702 SURFACE WINDS JAN 68

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22 HOURS (L.S.T.) A P R YEARS 73-76 ALL WEATHER CONDITION CHARLESTON, SOUTH CARDLINA NWSED

MEAN WIND SPEED	3.0	7.8	2.0	3.5	4.7	4.4	2.5	7.5	7.5	9.6	8.3	8.1	3.0	4.6	7.0	6.5			5.6
%	∞.	1.7	5.5	1.7	e0 e0	4.2	0.8	2.0	2.6	0	10.0	10.0	13.3	4.2	x)	1.1		18.0	100.0
35																		X	
48 - 55																		X	
41 - 47																		X	
34 - 40																		M	
28 - 33																		X	
22 - 27																		X	
17 - 21								122	80			0						X	0
11 · 16										1.7	2.5	1.07	0	1.7				X	9.2
7 . 10		80			20			00	2	2.5	3,3	2.5	2	1.7	(5)	00		X	20.0
9 . 4		90	es.	00	4.2	667	100	3.3	5.49	4	4.2	2.4	0.7					X	20.0
1.3	00			620	00	33	2.3		20	80		83	2.5	00		30			14.2
SPEED (KNTS) DIR.	z	NE	z.	ENE		ESE	SE	SSE	s	WSS	NS.	wsw	3	WNW	ž	N X	VARBL	CALM	

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120

TOTAL NUMBER OF OBSERVATIONS

13758 STATION

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TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

CHARLESTON, SOUTH CAROLINA NWSED 7376 VEARS ALL MEATHER CLASS CLASS ALL HOURS (LS HOURS (LS HOURS (LS)	(FROM HOURLY OBSERVATIONS)	
STATION NAME ALL SEATTHER CLASS	*	AP
	STATION NAME	LNOW
	ALL SEATHER	ALI
	CLASS	NOURS (L
	CONDITION	

13758 STATION

The state of the second second

MEAN WIND SPEED	8.0			5.9	00		6.1	7.8	7.7	3.1	30		0.0	8.8	7.1	7.0			6.6
%	3.0 W	3.4	3.5	5.4	4	0.00	4.4	7.7	1.3	0.00	6.0	70.5	12.3	6.7		20		10.0	1000
VI 85																		\bigvee	
48 - 55																		X	
41 - 47																		X	
34 - 40																		\bigvee	
28 - 33																		X	
22 - 27	.1										-							X	
17 - 21	୍ୟ •	•						•	•	•	5.	•	~•					X	3.6
11 . 16	1.0			*.		.5	-:	7.5	4.4	5.5	7.5	***	3.1	7.0	7.	0.		X	2
7 - 10	00	7.0		250	7.0	7.0	2.3	3.0	200	2.4	2.3	7 * 49	6.3	1.7	3	1.		X	31.0
6 .	1.1	~	4.7	*	2.1	7.5	*	2.0	- * · ·	0.	2.2	4.2	en.	·				X	94.0
1.3	1.0		-	89.		.2	3		3.5	~	**	00	00	. 7		1.		X	0.61
SPEED (KNTS) DIR.	z	N N	a z	ENE	w	ESE	SE	SSE	S	SSW	SW.	WSW	*	WNW	} Z	NNN	VARBL	CALM	

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124

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

∧ ∇ ∞	THOW	10	HOURS (L	
	YEARS			
73-76		EATHER	CLASS	CONDITION
SOUTH CAROLINA NESED	STATION NAME	7 70		100
CHARLESTON				
13758	STATION			

17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55 ≥ 56 % WIND SPEED	9.8 0.4			-	3,2 7,0	23	0	\$ 5.4 5.	16.1 7.5		8,9 8,3	7,3 5,4	*	8.7 8.9	0.11	8°8 0°4		18.5	0 000
91 - 11	1.6		°				23		2.5					30	00	00·			
7 - 10	03	0			7.0			30	7.3	4.5	** ~	2.4	00	00		1.6		X	
9.4	(C)	es	œ.	30.	1.0		4.5	1.6	0.4	6.5	8.4	3.5	5.2	3.4		1.6		X	
1.3	00		33.	æ		00	20		1.0	00 •	1.0	1.0	1.0	3.6				X	
SPEED (KNTS) DIR.	z	NNE	Z.	ENE	w	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	₹	MNN	VARBL	CALM	

TOTAL NUMBER OF OBSERVATIONS

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5702 SURFACE WINDS JAN 68

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	
CHARLESTON, SOUTH CARDLINA NWSED 73-76	A M
STATION NAME VEARS	ZOX
ALL MEATHER	0
Class	HOURS (1
CONDITION	

13758 STATION

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SPEED (KNTS) DIR.	1.3	9 . 4	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI		*
z	1.6	30	2.5										9.4
NNE	33	9.	00		3								3
Z.	æ	0.4										3	8 . 4
ENE		8.											0
w	1.6	œ.	× .	30								đ	0.4
ESE	1.6	Ø.										C)	2.4
SE	30		9:									N.	2.4
SSE	න		93	3.4								4	0.4
s		0.8	1.6	30								හා	3 . 5
SSW	1.6	1.6										0	0
SW	2.4											2	17
WSW	1.6	2.6	3.03									0	-
*		7.0	5.6									C.	0
WNW	9.1		23									8	~
×	00	·*	03									IV.	0
NNN	30	1.6	1.6	23								37	00
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	16.9	0
	17.7	37.9	21.8	4.8	00							160.0	0

124

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

THE ASSET LABOUR.

PERCENTAGE FREQUENCY OF WIND

	Y A Y	HONTH	0.7	HOURS (L.S.T.)	
DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CAROLINA NWSED 73-70	STATION NAME YEARS	ALL AME JA	CIASS	CONDITION

13758 STATION

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SSW 3.2 2.4 .8 SW 3.2 2.4 .8 WSW 2.4 6.5 2.4 .8 WNW 1.6 2.4 .8 NW 1.6 1.6 .8
3.2 4.5 5.6 4.0 5.5 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6
2.65
2.4 6.5 2.4 1.6 2.4 .8 3.2 2.4 1.6
3,2 2,4 1
3.2 2.4

TOTAL NUMBER OF OBSERVATIONS

SOUTH CAROLINA NWSED 73-76 STATION NAME ALL WEATHER CLASS

13758 STATION

SPEED (KNTS) DIR.	1.3	9 . 4	7 - 10	11 - 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	95 AI	%	MEAN WIND SPEED
z	8	1.0	0.4	0.4								10.5	9.2
NNE	2.4	2.4	100	œ.								0.0	5.0
¥	50	33 •	1.6									3.5	0.0
ENE	20.		\$	7.6									6.5
		0.7	C3 . CS									3.0	8
ESE	an				CO:							5.00	00
SE		4.5	1.6									0.4	6,2
SSE			© • •	00	00							0	11.0
S		9.1	0 * 49									3.6	7.1
SSW	33			2.0								7.2	0
NS.	9.1	9.4	7 . 3									10.5	6.9
WSW		0.4	4.8	2.4								11.3	7.5
*	1.6	2,0	6.7									10.9	7.0
WNW		2.6										3.5	4.3
×	æ. •		*									0.1	30
NNN NNN		7.0	2.4									· *	9.9
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	M	\bigvee	X	\bigvee	\bigvee	5.4	
	10.5	27.4	46.0	12.1	1.6							100.0	7.

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5702 SURFACE WINDS JAN 68

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

Min Mana

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS	STATION NAME
YEARS	STATION NAME

CONDITION

SPEED (KNTS)	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	ام 36		%
z z		1.6	200		65								0
N.		0.7		3									0.4
Z.				30.									100
ENE	30			30									7.6
a a	1.0		4.53	0.4								CAL.	-
ESE	1.6			37	(I)							2	0.4
SE			4.2	9.7								4	0.4
SSE		0.1	- G	8.4	00							ur)	en.
s		1.0	6.3	0.4									·
SSW		œ.	4.5	1.0	(C)							5	2.0
NS.		00:	3.2	1.0	• co							0	0
WSW	ಯ	4.5	0.4	8	20							ග	6
*	(2)		0.4	7.0								01	
WNW	8	03	92									4	œ.
×		(2)											œ
NNN		503	C3									-	0
VARBL													
CALM	X	X	X	\bigvee	\bigvee			\bigvee	\bigvee	X	\bigvee	2	*
	8.8	4.01	43	23.4	3							100.0	0

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

TOTAL STREET STREET

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DUTH CAROLINA NNOED	0
	YEARS
ALL WEATHE	
CLASS	8

CONDITION

The second secon

....

MEAN WIND SPEED	8.0		14.0	10.0	11.9	8	œ	10.3	10.8	10.8	10.1	7.8	6.5	0.9	2.0	0.9			
%	2.4		8	9	1.0	6.4	0.4	16.9	25.8	10.3	6.9	3.8	30	0	3.5	SD.		0.	
۸۱ وو																		X	
48 - 55																		X	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		X	
17 - 21					0.1			32	1.0				*					\bigvee	
11 . 16	8.		20		0.4		*2	0.0	7.6	3.0	5.4		7.6					X	
7 - 10	8.			·0	0.4	-\$*	4.2		0.	30 * 4	3.2	9.1	0.4					X	
6.4								3.			20	0.1	**	0.1	0.7	•		X	*
1.3	cc.						∞.		ာ						33			X	*
SPEED (KNTS) DIR.	z	NNE	NE NE	ENE	w	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	×	NNN	VARBL	CALM	

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SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۸۱ کو	%	
z	00											*	9.
NNE		0.		20								0.1	0
Z		-00		80.								1.6	0
ENE	50		100	1.0								3.5	2
E		0.4	50 * *	20								0-	-
ESE		OD .	1.0									2.4	
SE	1153	5.5	100									0	
SSE	1.5	3	Ø.	4.									
S		0.4	 	6.4								10.	The .
SSW		9	6.3	7.3									-
SW	ep •	4.2	2.4										~ 1
wsw		Ø. 1	1.0	1.6									me.
*		æ.	8.	1.6									NE
WNW					0							•	10
×		· *										20	
NNN			8.									•	00
VARBL													
CALM	\bigvee	•	00										
	69.49	29.0	42.7	21.8	9							100.0	,m.

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13758 STATION

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

	MAY	HENON	22	HOURS (L.S.T.)	
DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CAROLINA NESED 73-76	STATION NAME VEARS	ALL MEATHER	CLASS	CONDITION
	13758	STATION			

...

SPEED (KNTS) DIR.	1.3	4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۸۱ ۶۶	*
z	1.6		9.									2.4
NNE	80	ex)										0
Ä	20			00								0 • T
ENE	0	•	a.									4.2
w	2.4		93									0.4
ESE	2.4		œ.									0.4
SE	7.7	4.2	90									5.6
SSE	1.5		2.4	3.6								- 6
S	4.2	2.0	5.6	2.4								10.1
SSW	1.6	4.0	3.6									erfs.
SW	2.5	0.4	100									14.3
WSW	7.0	0.4	3.5									00
*	2.4	C4 .	œ.									6.5
WNW		1.6	203									4.5
¥N	ot:			50°								7.6
NNN		2.	8.		89							3.5
VARBL												
CALM	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	X	\bigvee	\bigvee	X	X	5.0
	25.8	29.0	30.6	8.1	83.							100.0

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

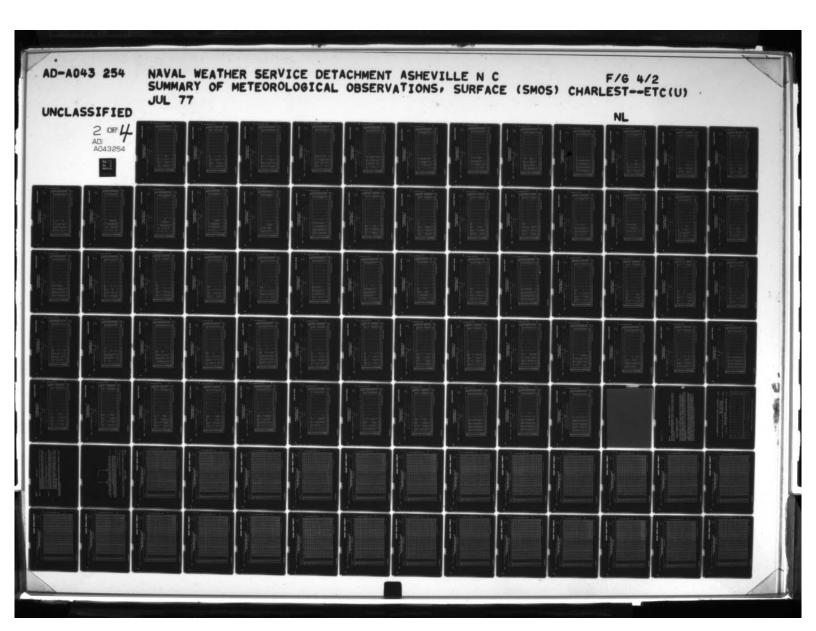
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ALL WEATHER CLASS CLASS HOURS (L.S.T.)	CHARLESTON, SCOTH CAROLLINA ZEVED	YA.
	STATION NAME	HTMOM
	ALL MEATHER	שרר
	CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1.3	9 . 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	N 29	%	WEAN WIND SPEED
z	1.0	5.	100	6.	2.							8.4	7.9
NNE	0	7.0	G.		~*							3.9	0.7
Ä	9	7.7	et)	5.								2.5	4.0
ENE	9.		5	s.								j•1	
			03	7.3	O.							0.9	8.3
ESE	1.0		1.1		ry.							5.9	9.9
SE	50	1.3	157	4.									6.5
SSE	200	0*	5.5	9.8	CO.							30 30	4.7
s	0.	3.5	6.1	3.1	~							13.4	68
SSW		es.	3.0	2,0								6.1	7.8
SW	1.64	5.0	0.0	3	•							8 8	8.9
WSW	33	3.5	3.0	9.	~ •							₹ 8	5.8
*	1.1	7.4	100									2.6	9.9
WNW	. 7	6.1		7.	0.8							4.	5.0
×	0.		•	~								2.3	80
NNW	9.		1.2	2.	•							3.3	6.7
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	M	X	X	\bigvee	\bigvee	\bigvee	\bigvee	7.1	
	7.61	29.1	98.0	14.3	1.0							100.0	6.9

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TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 68

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(SINCITA VIGISOR VIGILOU MOGS)	
(TROM HOOKE OBSERVATIONS)	
CHARLESTON, SOUTH CAROLINA NWSED 73-76	300
STATION NAME VEARS	NON
ALL NEATHER	0
CLASS	HOURS (1

1.3758 STATION

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SPEED (KNTS) DIR.	1.3	4 . 6	7 - 10	31 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 85	%	MEAN WIND SPEED
z	80	1.7	4.2	23								7.6	7.4
N N N N N N N N N N N N N N N N N N N	2.5	1.7	4.2	1.7								101	6,2
N.	7.0	1.57										0.8	2
ENE	50	3.4										7.4	4.2
			1.7	00								2.3	10.0
ESE		(ID)	*									7.1	0.0
SE	·											8	2.0
SSE	1.7		203									2.3	4.7
s	3.4	2.4	3.4	2.3								13.4	0.
SSW	•	1.7		2								2,0	9.0
SW	1.7	1.7	1.7	30								3.0	
WSW	4.2	5.0	2.5									11.8	6.4
*	1.7	6.6	30									* *	4.7
WNW	2.5											2.3	1.
×													
MNN		. 3	1.7									2	7.3
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee		16.0	
	24.4	28.6	21.8	9.5								100.0	4.8

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5702 SURFACE WINDS JAN-68

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2つつ	KOK	*0	HOURS (L.S.T.)	
	YEARS			
AROLINA NWSED 73-76		ALL WIND THE	CLASS	CONDITION
I	ON NAM			
CHARLESTON, SOUT	2			

2 . 21	8 · 33		34 - 40	4.6 7.10 11.16 17.21	8. 6.9		2	2.5			30°	0.	2.5 3.3			•	•	-		2.5	X	37 8 20 0 4.2
		34 . 46	34 · 40 41 · 47																			
21 - 42		% AI		%	10.0	(T)	1.7	6.7		C	0	1.1	9.2	6.7	7.5	5.0	100	2.4	1.7	9.0	22.5	100.0
41 · 47 48 · 55 IV 56	36 AI		22 . 3 . 3 . 4 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5	WEAN WIND SPEED	5.2	7.7	5.5	5.3	0.0	0	0.6	6.5	5.3	3.6	5.1	6.9	4.2	6.8	2.5	4.3		4.2

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TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

	NOT	HTHOW	07	HOURS (L.S.	
(FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CAROLINA NWSED 73-76	STATION NAME YEARS	ALL MEATHER	561455	CONDITION
	13758	STATION			

.

SPEED (KNTS) DIR.	1.3	9.4	7 . 10	1 - 16	17 - 21	22 · 27	28 · 33	34 - 40	41 . 47	48 - 55	VI 95	%	
z	6.2	5.5	3.3	4.5								14.2	N
NNE	00	6.6	4.52									10.0	0
¥	1.7	5.5										4	ni.
ERE	್	30										•	-
	1.7	EC3										2.3	2
ESE	90	30										-	-
SE			e0									•	0
SSE	3.	714										3.0	0
s	00	2.4	æ-									30	30
SSW	00	1.7	ص •	7.7								5.	0
NS.	1.7	2.5	1.07									20 40 10 10	200
WSW	1.7	2.3	1.1	30								***	-
*	1.7		5.0									9	-
WNW	1.7	2.3	80									20 20	20
WN	1.7	2.5										**	N
NNN	9	1.7	*									3.	m
VARBL													
CALM	\bigvee	3.5°	00										
	21.7	34.2	20.0	8.3								100.0	0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATION	STATION NAME	YEARS	HTHOM
	ALL MEATHER	АТНЕЯ	10
	CLASS	SS	HOURS (L.S.

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SPEED 1 . DIR.	z	N.E.	Z.	ENE		ESE	SE	SSE	s	SSW	AS.	WSW	*	WNW	¥	NNN	VARBL	CALM
.3	1.7	1.7	2.50	30	00			33				en.	ca		30	ω •		V
9.	3	20.00	1.07	4.5				1.07	3.3	1.7		1.1	4.5		00			X
7 - 10	3.3		40	100		<u>د</u>	er.	3.5	4.2	1.7	00	99	3.0	1.07	1.7	1.7		X
91 . 11	4.2	00	1.7	1.7	en.		03	00		1.7	20	1.7				:D		X
17 - 21									30									X
22 - 27																		X
28 - 33																		X
34 - 40																		X
41 . 47																		X
48 - 55																		X
VI 85																		X
%	11.7	3.0	0.0	20	2.4		4.2	6.1	8.3	0.0	1.1	7.3	10.0	2.3	3.3	2.4		10.0
WEAN WIND SPEED	8.0	50	0.0	7.0	7.6	0.0	8.2	1.9	7.5	7.8	9.5	1.1	5.0	7.0	0.9	7.4		

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TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

13756	CHARLESTON, SOUTH CAROLINA NWSED 73-76	200
STATION	4	HTHON
	ALL KENTIER	13
	CLASS	HOURS (L.S.

....

SPEED 1 · 3 4 · 6 7 · 10 DIR.	1.7 2.5 2.5	S. S.	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ENE 2 * W	e . 5 1.7 2.5	ESE S. S. S.	S. 3.3	SSE 1.7 2.5 6.7	s 1.7 1.7 4.2	1.1 1.1 NSS	AS .		7. 1. 1.		NW 2.5	WNN S	VARBL	
11 . 16	30	80	9		5.3	1.7	3.	2	2 4.5			7 1.7	3 1.7	3.		8.		X
17 - 21				(t)	40													X
22 - 27																		X
28 - 33																		X
34 - 40																		X
41 - 47																		X
48 - 55																		X
% AI																		X
%	7.3	2.0	2.5	3.3	2.6	× 000	0.5	1.01	11.7	3.3	8	10	2.6	6.1	3.3	2.5		2.4
MEAN WIND SPEED	6.6	6.3	6.5	00 00	3.7	00	80 80	8.6	00	0.9	13.0	8.0	7.3	1.9	7.5	80		

TOTAL NUMBER OF OBSERVATIONS

570

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

とつつ	HTHOM	16	NOURS (L.S.T.	
CHARLESTON, SOUTH CARDLINA NWSED 73-70	STATION HAME		CLÁSS	COMPLANA

SPEED (KNTS) DIR.	1.3	4.6	7 . 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 25	%	WEAN WIND SPEED
z		1.7	2.5	1.7	30							6.7	6.6
N N	:0											#U)	3.0
¥			1.7	1.1								m m	12.3
ENE			00	œ.								5.5	0.6
£		*	1.7	20	70							5	10.7
ESE			4.2	33								2.0	6.3
SE		**	60	3,3								7.5	9.8
SSE		5	15.0	5.0								22.5	6.9
s		2.0	4.2	6.7	3.							17.5	6.4
SSW			1.7	90								2.3	11.7
NS.	00	1.7	1.7	æ•								9.0	7.2
WSW		1.7			923							3.3	11.0
*		1.1	2.5	1.7								an.	9.3
WNW	8	8.		8								2.5	7.0
×		100	4.6									5.0	7.2
NNN	30.											0	3.0
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee		\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	3.0	
	3,3	19.2	43.3	27.5	3.3							100.0	0.6

TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOO	HTHOM	51	HOURS (L.S.T.)	
	YEARS			
73.75		ALL MEATHER	CLASS	CONDITION
CHARLESTON, SOUTH CAROLINA NWSED	STATION NAME	× 110		95
	STATION			

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SPEED (KNTS) DIR.	1.3	4 . 6	01 - 7	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	85	%	MEAN WIND SPEED
z		00	3.3	60								0 %	7.8
N N N N N N N N N N N N N N N N N N N			50		3.							1.7	13.0
Ä		æ.	1.7	•								3.3	8.0
EN.	ග	·	1.7	æ.								7.4	6.3
u u			en.	8.								7 . 4	10.0
ESE	2.5	-	w.	8.								(P)	6.0
SE		1.7	2.5									4.2	9.0
SSE	1.7	4.2		5.5	30							20.00	7.9
s		5.0		4.2								18.3	80
SSW	80	9.0		3,3								12.5	7.8
AS.	93	æ.	1.7	8								4.2	7.2
WSW	1.7		1.7	60								4.2	7.4
*	8	1.7	on •									(f)	5.8
WNW	8.	1.7										5.5	3.0
W	8											1.7	3.5
MNN		1.7	9.									5.5	6.3
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	4.5	
	10.8	26.7	40.8	15.8	1.7							100.0	7.2

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

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WEAN WIND SPEED	9.9	8.3	5.3	en m	8	8	3.0	6.0	4.0	6.1	5.2	7.0	3,5	5.5	4.0	3.0			
%	2.4	6.7	60	30	1.7	5.0	e •	00 B	13.3	(C)	5.0	8.3	3	1.7	93	1.7		11.7	
% Al																		X	
48 . 55																		X	
41 - 47																		\bigvee	
34 - 40																		X	
28 - 33																		\bigvee	
22 - 27																		X	
17 . 21																		X	
11 - 16		1.7	00					1.7	1.7	30		1.7						X	
7 - 10	1.7	1.7	1.7		1.7	œ		2.5	50	6.7	30	1.7		ಮ				X	
9.4	1.7	257	2	3.3		1.7		2.5	5.8	1.7	2.5	3.3	ာ		20			X	
1.3	90	000	3.3	2		2.5	20	1.7	2.5	4.2	1.7	1.7	20.00	35		1.7		X	
SPEED (KNTS) DIR.	z	NN	w Z	ENE	u	ESE	SE	SSE	s	SSW	NS.	WSW	>	WNW	ž	NNN	VARBL	CALM	

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3/20	כוששונות חומים מכחום בשייות של ביים	0 * 0	どつつ
STATION	STATION NAME	YEARS	ALL
			HOURS (L.S

SPEED (KNTS) 1 DIR.	-	Z Z	Z.	ENE	w	ESE	SE	SSE	S	SSW			_		XX	WNW	VARBL	CALM	
3	0.1	0.	1.4	٠.	4.		2.	1.1		9.1	1.	7.4	1.5	٥ ٠ ٦	9.	·		\bigvee	
4.	6.7	1.7	1.	2+3		7.0		2.5	4.1	1.7	r. 7	5.5	2.7	7.0	3.0	٥.		X	
7 - 10	3.1	2.0	ep.	70	-	7.4	1.1	4.4	4.7	2.1	1.1	1.7	8.3	6.		œ.		X	
1. 16	1.7	•		*	1.3	4.	9.	2.1	5.4	1.4	9.	1.0	*	2.				X	
17 - 21		•		~	. 3			•	2.			•						\bigvee	
22 - 27																		X	
28 · 33				1														X	
34 - 40																		\bigvee	
41 - 47																		X	
48 - 55																		\bigvee	
VI 85																		\bigvee	
%	00	3.0	5.7	0.4	<i>S S S S S S S S S S</i>	20	3.0	5	12.2	0.0	7	6.7	0	n	N .	20		10.9	
MEAN WIND SPEED	7.5	7.33	6.2	0.9	9.2	6.7	00	0.8	. 5	6.9	6.1	6.8	6.1	5.6	30	80			

TOTAL NUMBER OF OBSERVATIONS

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

JUL	HTNOM	10	HOURS (L.S.T.)	
	YEARS			
73-76		ALL WEATHER	CLASS	CONDITION
NESEC		ALL		
N. SOUTH CAROLINA NWSFC 73-76	AME			
SOUTH	STATION N.			
HARLESTON				

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 . 40	41 - 47	48 - 55	VI 85	%	WIND SPEED
z	2.4	1.6	0									4.8	14.5
NNE	0.4	1.6										7.3	*
Z	0.1	50										2.4	ees.
ENE	2.4	1.6										0.4	3.0
	00		80									3.6	5.0
ESE		30										8.	0.4
SE		1.6										1.6	5.0
SSE	00											900	3.0
s	3.5	2,4	1.6									6	4.4
SSW	2.4	0.0	0.4	1.6								14.5	0.9
WS	3.2	3,3	6.0	02								15.3	5.9
WSW	0.4		83	3								11.3	* *
>	2.4		1.6									70	4 . 30
WNW	3											8.	2.0
ž	1.6		30									200	5.0
NNN	1.6	s::										2.4	23
VARBL													
CALM	X	\bigvee	X	\bigvee	X	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	13.7	
	31.5	33.1	18.5	3.2								100.0	4

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5702 SURFACE WINDS JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME	YEARS	MONTH
ALL WEATHER		*0
CLASS		HOURS (L
NOLLIGNOS		

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TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

100	HTHOW	70	HOURS (L.S.T.)	
	YEARS			
SOUTH CAROLINA NESED 73-76	STATION NAME	ALL WEATHER	CLASS	CONDITION
CHARLESTON, SOU				

SPEED (KNTS) DIR.	z	NE	W.	ENE	w	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	××	*NN	VARBL	CALM	
1.3	2.4	3.8	0.4	63	00	10			60	1.0	2.4	9.	0.4	3.5		33°		X	7 76
9 . 4	2.4	1.0	0.4	30.		1.6				5.4	8.4	7.50	10.5	3.6		89		X	0 60
7 - 10	00	00	7.0		ec.				æ.		0.4	9.1	3.0			00		X	0 71
11 - 16								70.	© *									\bigvee	4 6
17 . 21																		\bigvee	
22 - 27																		\bigvee	
28 - 33																		\bigvee	
34 - 40																		\bigvee	
41 - 47																		\bigvee	
48 - 55																		\bigvee	
VI 85																		\bigvee	
%		3.0	10.5	9.		4		90	5.4	0.4	11.3	10.5	20.2	**		3.6		16.1	100.0
MEAN WIND SPEED	4.6	3.9	5.0	4.5		3.7		14.0	7.7	4.2	3.4	3.4	3.4	3,3		2.0			4.3

13758 STATION

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

100	HENOM	10	HOURS (L.S.T.)	
(FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED 73-76	SEVELA STATE	ALL MEATHER	CLASS	COMBITION

....

4 . 6	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 85	8	WIND SPEED
1.6		1.6								6.5	5.00
4.	2.4									9.5	3.0
1.6										6.5	3.6
2.4	1.6	1.6								5.6	00
										o un	7.0
		3.								2.5	0.8
•	-									2.4	0.9
1.6	2									2.0	2.4
4.5	3.2									3.6	7.6
2,4										0.4	4.2
4.0	1.6	1.6								00°	6.3
8.4		œ.								12.9	7.2
3.6										12.1	6.5
4.7										3	5.3
1.6										1.6	4.5
	20									00	7.0
X	X	X	\bigvee	8.1							
35.3	32,3	7.3								100.0	5.00

13758 STATION

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	ROLINA NWSED 73-76	VEARS YEARS	ALL WEATHER	CLASS HOURS (L.S.T.	
DIRECTION AND SPEED (FROM HOURLY OBSERVATION	CHARLESTON, SOUTH CARDLINA NWSED 73-70	STATION NAME	ALL WEATHER	CIASS	

SPEED (KNTS) DIR.	6.1	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۸۱ کو	%	WEAN WIND SPEED
z		4.5	1.6									0.4	0.9
NE	900											80	3.0
w	10	1.6	80									3.5	5.8
ENE		0	2.4									3.2	7.5
w.			0.4									0.4	0.6
ESE	183		2.4	1.0								.8.4	8.2
SE	2.4	2.4	1.6	1.6								a0	6.2
SSE		1.6	8.1	3.2								12.9	4.6
s	1.6	5.6	5.6	3.5								15.3	7.5
SSW		1.6	2.4	1.0								3.6	6.7
3W		1.6	3.2	7.6								6.5	8.0
WSW	8	1.6	9.0	9.1	3.							10.5	8.8
>	2.4	3.2	3.2	20.								7.6	3.7
WNW	00	1.6	5.4									8 4	5.00
×		COS										1.6	6.5
≯NX													
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X			\bigvee	\bigvee	X	\bigvee	\bigvee	8 4	
	10.5	25.0	44.4	14.5	33							100.0	7.2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ALL WEATHER CLASS
ALL WEATHER
CLASS

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SPEED (KNTS) DIR.	z	NNE	w Z	ENE		ESE	35	SSE	s	SSW	S.W.	WSW	*	WNW	¥	MNN	VARBL	CALM
1.3			00			3	60		00	00	00							X
4.		1.6				5.4		0.4	5.6	æ.	0.0		9.1					\bigvee
7 - 10		60		5.4	6.5	2.4	0.4	1.8	6.5	8.4	1.6	3.2	3.2	3.2	20	8.		X
11 - 16							2.4	1.6	7.3	3.2	1.0	.	1.6					X
17 - 21				G2 •					1.6	7.0						CC-		\bigvee
22 - 27																		X
28 · 33																		X
34 - 40																		X
41 - 47																		X
48 - 55																		X
% AI																		X
%		2.4	0.1	3.5	7.3	2.6	7.3	13.7	21.3	11.3	7.3	0.4	6.5	4.0	8	1.6		•
MEAN WIND SPEED		5.7	2.5	11.00	7.8	6.3	0.6	8.2	6.7	10.3	7.9	8.4	8.8	8.2	8.0	12.5		

124

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124

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAMED 73-76 STATION NAME ALL WEATHER CLASS CONDITION	JUL	MONTH	67	HOURS (L.S.T.)	
CAROLINA NWSED 73-76 MEATHER CLASS CONDITION		YEARS			
CAPOLINA NWSED	73-76		EATHER	CLASS	MDITION
CAROLINA	NESEC		ALL		8
	CAROLINA	ME			
	CHARLESTON, SOU				

1.3 4.6 7.10 11.16 17.21 8 .8 .8 .8 8 .8 .8 .8 8 .8 .8 .8 8 .8 .8 .8 8 .9 .9 2.4 1.6 7.3 8.9 5.6 1.6 5.5 8.9 5.6 1.6 5.6 8.9 5.6 2.4 3.2 .8 2.4 3.2 .8 3.2 2.4 .8 2.4 3.2 .8 3.4 5.6 5.6 5.6 3.5 5.6 5.6 5.6 3.6 5.7 5.8 3.7 5.8 5.8 5.8 5.6 3.8 5.8 5.8 5.8 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6	SPEED KNTS) DIR.	z	NNE	w Z	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	*	NNN	VARBL	CALM	
2.4 2.4 .8 .8 .8 .9 .9 .8 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9	. 3		00	8		20	2	8		1.6				00					X	6.5
5	4.		90	3	8.3	1.6	2.4	0.4	2.4	7.3	6.5	1.6	100	2.4			2.4		\bigvee	
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7 - 10	3	e0:		1.0	1.6		0.4	3.2	6.8	30	9.6	3.2						\bigvee	41.1
7.3	11 . 16								œ.	2.4	9.6		•	·					X	13.7
	17 - 21																		M	
	28 . 33																		\bigvee	
28 . 33	34 - 40				,														\bigvee	
	41 - 47																		\bigvee	
64 . 14	48 - 55																		\bigvee	
34 · 40 41 · 47	85																		\bigvee	
34 - 40 41 - 47 48 - 55	%	80	5.4	1.6	2.4	0.7	6.5	6.8	6.3	20.2	21.0	6.4	e 4	0.4			5.4		4.8	100.0
34 - 40 41 - 47 48 - 55 256	MEAN WIND SPEED	0.6	4.	4.0	80	5.6	7.3	8.9	7.4	7.2	80	6.6	7.8	5.2			8.0			7.1

13758 STATION

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)	YEARS	ALL WEATHER	
(FROM)			

13758 STATION

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SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41.47	48 - 55	17 56		%
z		3.6											1.6
NNE	1.6	3.2											4
Ä	8.8												5.5
ENE	2.4	2.4											0.4
		3.5											0.4
ESE	3.2	•			• 8								4.8
SE	5.4	e •											3.2
SSE		e0 •	3										2.4
s	3.2	8.4	5.4										13.7
SSW	0.4	10.5	4.6										24.2
SW	8	6.5	5.6	0									13.7
WSW	1.6	1.6	5.4										2.0
*			1.6										1.6
WNW													
N.	1.0												3.0
NNN													
VARBL													
CALM	\bigvee	X	\bigvee	/	\bigvee	V							
	26.3	39.5	22.6	1.6	R								100.0

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS	
CHARLESTON, SOUTH CAROLINA NWSED 73-76 STATION NAME ALL WEATHER CLASS	NOTIGNOS

SPEED 1 - 3 4 - 6 DIR.	1.6 1.5	NNE 1.5 2.2	Ne 1.9	ENE 1.1 1.2	T. 7. 3	ESE .9 1.1	St 8. 1.2	SSE . 3 1.3	*	ssw 1.8 4.2	sw 1.3 4.2	3.	1.7 4.	www 1.2 1.0	O		VARBL	X	
7 - 10	in.	∞.	**	1.0	2.0	1.0	1.4	2.9	00	3.8	3.0	3.5		0.	4.	.3		X	
91 - 11	•2	7.	7.	.2	.2	4.	s.	5.	1,6	1.5	1.2		4.					\bigvee	
17 - 21				1.		• 1			~	2.		•				•		\bigvee	
22 · 27																		\bigvee	
28 - 33																		\bigvee	
.34 - 40																		X	
41 - 47																		X	
48 - 55																		X	
% AI																		X	
%	33	4.6	3.9	3.6	3.6	3.5	6.6	3.4	11.8	11.6	501	8.7	9.1	7	9.1	80 - 7		*	
WEAN WIND SPEED	4.7	4.00	4.2	6.1	6.7	9.6	6.4	8.1	7.0	0.0	9.6	6.5	5.0	6.4	5.7	5.2			

13758 STATION

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

AUG	HOM	01	HOURS (L.S.T.)	
	YEARS			
SOUTH CAROLINA NWSED 73-76		ALL WEATHER	CLASS	CONDITION
NESED		ALL		
ROLINA				
SOUTH CA	STATION NAME			
CHARLESTON, S				
CHARLE				

-

SPEED 1 - 3 DIR.	z	** 2	e e	ENE	30) •	ESE	Se as	SSE	9.6 S	SSW 3.2	Sw 3.2	-	-	WNW 2.4	-	WNN.	VARBL	CALM	
0 . 4	1.6	2.4	2.4	x> •			9.7		9.7	4.0	0.0	1.6	3.5	*	2.4	5Q •		X	
7 - 10	2.4	0.4	63							3.2	0.4	4.5		100				X	
11 - 16																		X	
17 - 21		(X)																\bigvee	
22 - 27																		\bigvee	
28 - 33																		\bigvee	
34 - 40																		\bigvee	
41 . 47																		\bigvee	
48 - 55																		\bigvee	
% AI																		\bigvee	
%	6.5	6.1	0.4	•	Ø.	90	2.4		7.3	10.5	1.8.	1.3	7.3	0.4	5.4	7.0		17.7	
WEAN WIND SPEED	6.3	7.2	3.2	5.0	3.0	4.0	4.7		3.2	5.2	2.0	4.4	3.4	3.4	2.0	3.5			

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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AUG	HTHOW	40	HOURS (L.S.T.)	
	YEARS			
CHARLESTON, SOUTH CAROLINA NWSED 73-76	STATION NAME	ALL MEATHER	CLASS	CONDITION
13758	STATION			

SPEED (KNTS) DIR.	1 . 3	4.6	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	اک 24	%	MEAN WIND SPEED
	30	6.4	2.4	2.4								15.3	
	5.4	3.6	0.4		©							6.8	
	1.6	0.4	8.									6.5	4.5
	1.6											9.1	
		1.6	50									5.4	
			90°										4
	4.5	7.0	33.									8 4	0.4
	1.6	en •										20	a i
»s	3.2	5.4	3.2									6 · 8	5.2
WSW	Ø0	5.4	2.4									3.6	1
	6.5	en •	1.6									12.9	•
WNW	2.4		30									0.4	de.
ž	5.4	8.	90									0.4	4.2
NN.	5.4		3.1									6 8	4
VARBL													
CALM	X	\bigvee	X	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	X	\bigvee	16.1	
	33.1	26.6	21.0	2.4								100.0	4

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TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

STATION NAME ST
CLASS
Additional to the state of the

.:	9.	7 - 10	11 - 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 85	*	MEAN WIND SPEED
6.3	10.5	2.4	1.6								21.0	3.00
1.6		3.5	1.6	æ.							11.3	7.7
5.2		725									6.4	0.4
4 . 2											5.4	2.7
63											0.1	3.5
20											•	2.0
1.6											7.0	2.5
	60	æ.									7.6	7.0
		1.6									1.0	80 80
2.4	3.2	100									6.5	4.3
CO	3.2	3.5									7.3	6.2
5		7.6									11.3	4.5
3.2	5.4										8.0	3.1
4.7	80.4											0.4
3.5	003										0.4	2.6
	X	X	X	X	X	X	\bigvee	M	\bigvee	M	11.3	
31.5	38.7	13.7	4.0	(2)							100.0	4.5

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

AUG		10	HOURS	
CHARLESTON, SOUTH CAPOLINA NESED 73-75	STATION HAME	ALL MEATHER	CLASS	
13758	STATION			

SPEED (KNTS) DIR.	1.3	9 - 4	7 - 10	11 - 16	17 . 21	22 - 27	28 . 33	34 - 40	41 - 47	48 - 55	۸۱ کو	%	MEAN WIND SPEED
z	0.4	5.0	1.6	100								12.1	5.1
N.X	2.4	4 . 3	20	1.6	20							10.5	6.8
Ä		4.8	9									7.3	7.1
ENE	20	2.4	2.4									5.6	8.9
	00	2.4	3	89								4.8	6.5
ESE			1.6									1.0	8.0
SE		•	1,6									3.2	6.3
SSE			:D									.	7.0
S	33				900							2.4	6.3
SSW													
SW	ca	9.7	1.6	3.6								5.6	1.6
WSW	1.6	2.4	0.4									8.1	0.9
*	3.5	8.4	3.2									11.3	4
WNW	3.5		2.4									6.3	100
¥	1.6	9.1	20									0.4	7
NNN	1.6	8.	1.6									0.4	2
VARBL													
CALM	X	\bigvee	X	X	X	X	X	\bigvee	X	\bigvee	\bigvee	12.1	
	21.0	34.7	24.2	6.9	1.6							100.0	3

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

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SPEED 1.3 4.6 7.10 11.16 17.21 DIR.	3.2 2.4 .9	NNE . 8 4 . 8 2 . 4	N. 1.6	8. 4.5	4.0 1.6	ESE . 8 2.4	St 3.2 1.6 .8	SSE 1.6 2.4 4.0 4.8	5 2.4 4.8 4.8	8. 0.4 0.1 6. wss	sw .8 3.6 3.2 3.2	S. 4.5 %. WSW	× .8 1.6 3.2	www.	S. S.	NNW .	VARBL	CALM	
22 - 27		<i>00</i>																	
28 - 33 34 - 40																			
41 - 47																			
48 · 55																		X	
% AI																		X	
%	6.9	6.8	6.5	0.9	6.5	3.2	6.3	12.9	12.1	7.3	83	0.4	2.0		0.1	es •		6.0	
WIND SPEED	4.6	7.0	30	7.0	6.8	7.0	6.1	9.1	(A)	7.7	8.0	9.4	9.9	0.9	5.5	0.9			

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1.6 HOURS (L.S.T.

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

	YEARS
ALL WEATHER	
CLASS	

SPEED (KNTS) DIR.	1.3	9 . 4	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	۸۱ کو	%	
z		9.		1.6								2.4	
N.X		1.6	0.									2.4	
ž		- TO	1.6	5.4	<u>ع</u>							5.6	
ENE	7.0	10		8.								3.2	
		9.1	6.5	2.4								10.5	
ESE		3.6	2.4	00								20 • 77	
SE	6	œ.	1.6	œ.								0.4	
SSE		S. *	11.3	9*4								16.9	
s	00	3.8	10.5	0.4								18.5	
SSW		4.5	0.4	D • 4			0					12.1	
SW	(3)	3.8	0.4	3,4								10.5	
WSW			2.4									5.4	
*		30	1.6									2.4	
WNW	co •	:0										7.0	
¥		ac ·										900	
NN.			8.									•	
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	•	
	60.	20.2	47.6	25.0	63		03					100.0	

TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF WIND

	AUG	MONTH	61	HOURS (L.S.T.)	
DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CAROLINA NWSED 73-70	STATION NAME	ALL MEATHER	CLASS	CONDITION
	13758	STATION			

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SPEED (KNTS) DIR.	1.3	9.4	7 - 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 85	%	WEAN WIND SPEED
z		2.4	1.6									0.4	5.2
N.	9.1				**							5.4	8.3
ž		2.4										0.4	3.00
ENE		9.7		1.6								es es	9.5
w		3*5	**									1.3	5.1
ESE	7.0	0.4	00									6.5	3.1
SE	1.6	0.4										. c.	4.1
SSE	(C)	0**	0.4									30	6.3
S	1.6	6.7	7.3	2.64								21.0	6.4
SSW	9.1	0.4	00	5.4	6.							1.1.	8.1
SW		7.0	en	æ.								9.0	7.7
WSW		0.4	eg:									(E)	5.3
*		63										1 20	0.0
WNW		œ	್									9.0	0.0
×													
MNN	30											•	3.0
VARBL													
CALM	\bigvee	\bigvee	\bigvee			X		X	X	M	X	9.0	
	111.3	44.4	29,8	7,3	1.6							100.0	6.0

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ALL MEATHER CLASS CONDITION	AUG	HTHOM	22	HOURS (L.S.	
		YEARS	- 1		
	02.00		ALL MEATHER	CLASS	CONDITION
	TAKLESTON, GOOD CAMUSINA NE	STATION NAME			

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SPEED (KNTS) DIR.	7.3	4 . 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	%	WEAN WIND SPEED
z	2.4		2.4									7.3	50
N N												9.6	90
a z	4											6.3	2
ENE	1.6	C4										8 • 49	
w	8		(12)									7.6	357
ESE	0.1											9.1	(M)
SE	00	8	œ									8.7	4.5
SSE	1.6		0									4.00	47
s	N.		4.5									12.9	8 • 4
SSW	0.4	7 . 3	3.6	5.4								7.61	6.1
SW	20		1.6									o- 100	3
WSW	8		2.0									5 9	2
*		1,0	663									5 . 5	9
WNW													
¥		•										en •	5
NNN	1.0	1.6	30									0.4	4.6
VARBL													
CALM	\bigvee	X	X		X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	10.8	
	26.6	37.	21.8	3.2								10000	4.6

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3758 CHARLEST	ON, SOUTH CARDLINA NWSED 73-76	AUG
STATION	STATION NAME VEARS	MONT
	ALL MEATHER	ALL
	CLASS	HOURS (L.
	CONDITION	

222

SPEED (KNTS) DIR.	1.3	9 . 4	7 . 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8 Al	*	MEAN WIND SPEED
z	4.0	8	1.7	00									5.4
N N	1.4	2.7	2.2	4F2	•							2.5	7.3
¥	1.6	~ ~	ъ. •		•							5.6	ın
ENE	1.0	7.7	4.	4.								3.5	2.6
w	3.	5.7	1.6	•								4.4	6.5
ESE	•	o.	0.	٦.								4.5	6.0
SE	00	20.7	-									3.5	5.3
SSE	•	5.	2.7	7.5								5.	60
s	2.1	3.7	3.3	9								10.1	6.2
SSW	1.4	2	20	1.3	•							0.6	1.
SW.	. T	3.0	2.1	0.1								9.8	6.2
WSW	1.0	2.3	2	-:								5.1	5.7
*	2.2	3.0	1.5									6.3	4.7
WNW		0.	9.									3.0	0.4
ž		-	·									2.0	4 . 3
NNN	1.3		9.									2.0	7.4
VARBE													
CALM	\bigvee	e .											
	21.9	33.6	26.1	7.7	0							100.0	is.

TOTAL NUMBER OF OBSERVATIONS

992

120

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 68

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CHARLESTON, SOUTH CAROLINA NWSED 73-70		A UI
STATION NAME	YEARS	HTHOM
ALL MEATHER		10
CLASS		HOURS (L.S.T.)
noisiand		

SPEED (KNTS) DIR.	1.3	9 . 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 85	*	
z	4.2	3.3	3.3	3.3								14.2	101
NN	5.0	8.	100	83								12.5	-
ž	2.5	7.07										4.2	me
ENE			30									E.J.	_
		20.	9									1.1	_
ESE	00											•	-
SF		20.											-
SSE	30			00								1.1	L
5	3	œ.	1.5	3								4.2	L .
SSW	1.7	1.7	.00									4.6	1
WS	1.7	5.0	1.7									30	1 .
WSW	1.7			20								2	1_
>	3.3	2.5		20								0	1
WNW	1.7											2	L
×	1.7	100										3.3	1
NNN			1.7	3								2.5	1_
VARBL													
CALM	\bigvee		X	X	M	X	\bigvee	\bigvee	\bigvee	X	\bigvee	26.7	-
	25.8	22.	16.7	8.3								100.0	-

13758 STATION

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120

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

SEP	N THOOM	HOURS (L.S.T.)	
	YEARS		
73-76	A I NE A TUES	CLASS	CONDITION
CHARLESTON, SOUTH CAROLINA NWSED 73-76	STATION AND STATION OF STATES	4.4	
13758	STATION		

SPEED (KNTS) DIR.	1.3	4 . 6	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 85	%	WIND SPEED
z	6.7	3.3	4.2	3.3	1.7							19.2	7.7
N N	2.5	3,3	3,3	1.1								10.8	6.8
Z	1.7	2	1.1	0								1.9	9.9
ENE	60											1.1	4.5
												•	2.€
ESE	9											00	3.0
SE													
SSE	CE?											2	3.0
s	ග	00		3.								2.5	7.0
SSW	1.7	æ.	8.8									3.3	4
WS.	2.5	2.5										5.0	4.3
wsw	2.5	3.3	1.7									7.5	4.4
3	4.2	50										0.8	3.0
MNM	1.7	1.1										3.3	m
3	3.3	2.5										: :0	9
NNN	2.5	1.7	1.7									. C	6.4
VARBL													
CALM	X	\bigvee	20.8										
	32.8	25.0	13.3	6.7	1.7							100.0	4

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120

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

CNCITA/GRAC VIGILOH MCGR	
CHARLESTON - SOUTH CAWDLINA NWSED 73-76	S
	MONT
ALL MEATHER	0.7
	HOURS (L.S

13758 STATION

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.:	4 . 4	7 - 10	11 . 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	۸۱ ود	*	MEAN WIND SPEED
10.0	0 10.8	6.7	3,3								30.8	5.9
2.5	5 2.5	6.7	5.0								16.7	8.2
-	7 1.7										2.4	8.4
1.7	2										1.7	2.0
•	80	©									1.7	20
		*									(C)	7.0
	00										9	5.0
	17	00									154	5.3
	œ.										×.	0.4
ගා	8,0										2.5	4.4
1.7	8. 7										5.0	3.7
•	00	20.									en eu	4.3
23	200	00									7.5	4.1
2.03											2.0	3.7
•	Ø										1.7	4.5
•	5.4.8	9.									8	2.0
X		X	X			\bigvee	X	X	X	\setminus	10.6	
27.5	5 34.2	18.3	9.2								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

das	NON	10	T) SEINOR	
	YEARS			
TH CAROLINA NESED 73-76		ALL WEATHER	CLASS	MOLLIGHOO
CHANCEDION SCOLLY C	STATION NAME			

E E

SPEED (KNTS) DIR.	1.3	4 . 6	7 - 10	1 . 16	17 - 21	22 - 27	28 · 33	34 - 40	41 . 47	48 - 55	% AI	*	MEAN WIND SPEED
z	4.2	3.3	5.0	2.5								15.0	6.8
NE		2.5	7.5	2.5								12.5	8.7
Z.	2.5	5.5	3.3	2.5	1.7							12.5	80
ENE		3,3		1.7								200	8.2
		3.3	2.3									S.	0.7
ESE		. 3	2.5									3.3	8.0
SE		109										1.7	5.0
SSE	1.1											2.5	3.7
s	eo.	e5 •	4.2									. C	7.0
SSW		æ.		œ •								1.1	9.5
SW.		1.7	æ.									n N	6.3
wsw		1.1	2.5									2.4	7.2
*	c3	2	1.7									0.0	3,00
WNW	80	1.7	æ.									23	5.5
¥	1.7	·	œ.									20	4.3
MNN	1.7	2.5	1.7									5.0	5.1
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	M	X	X	X	\bigvee	X	\bigvee	10.0	
	14.2	30.8	33.3	33.3 10.0	1.7							100.0	6.4

13758 STATION

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TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 68

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	SEP	HONTH	1.3	HOURS (L.S.T.)	
(FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CAROLINA NWSED 73-75	STATION ALME YEARS	ALL MEATHER	CLASS	COMDITION

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	1 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 95	*	WIND WIND SPEED
	2.5	5.0	2.5	3.3	00							14.2	7.8
N N	903		1.7	33								m •	00
Z.	8	0.8	2.5	1.7								10.0	7.1
ENE	100	3.3	1.7	2.5								8.3	7.7
		2.5	00	00								9.2	8.5
ESE		5.5	1.7	9.								3.0	7.0
SE		9.		.								2.4	3.4
SSE	1.7	5.5		5.2								10.8	7.8
	500	1.7	5.0	1:1	3							10.0	4.6
SSW	8	3.3		2.5								7.5	7.4
SW	20	100 100	80.									2.3	5.7
WSW	00	9.	00									8.00	5.7
		1.7	4.2	.							ó	6.1	8.0
WNW	20	1.7										2.5	3.7
NN.	1.7											1.7	3.0
VARBL													
CALM	X	X	X	X		X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	1.7	
	12.5	31.7	34.2	18.3	1.7							100.0	7.5

13758 STATION

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

S G	HUNDH	16	HOURS (L.S.T.)	
	YEARS			
73-76		ALL WEATHER	CLASS	CONDITION
CHARLESTON, SOUTH CAROLINA NUSED 73-70	STATION NAME	ALL		
CHARLESTON				
13758	STATION			

....

SPEED (KNTS) DIR.	1.3	4.6	7 . 10	11 . 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	%	-
z		3.3	3.3	89	1.7							9.2	
N N	10	8.	1.7	3.3								9	
ž	20.	2.5	7.1	æ•								5.8	
ENE		1.7	1.7	80	æ•							5.0	
8		4.2	2.4	3,3								11.7	
ESE	1.7		2.0	1.7								2.6	
SE		3.3	93	8.								2.0	
SSE		6.8	2.5	1.7								12.5	
S	1.7	1.1	9.2	2.5	æ							15.8	
SSW		1.07	2.5									2.4	
NS.	0		8.5	30	30							3.0	
WSW	0		90	2.5								2.0	
>	9		20	8								2.5	
WNW			00 *									20.	
×	000											8.	
NNN				•								•	
VARBL													
CALM	\bigvee	0.	li li										
	8.3	29.5	37.8	30.8	4.2							100.0	

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

	SEP	MONTH	19	HOURS (L.S.T	
DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CAROLINA NWSED 73-70		ALL MEATHER	CIASS	CONDITION

13758 STATION

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1.3 4.6 7.10 11.16 17.21 22.27 28.33	3.3 4.5	0.0		3,3	5.0		1.7 2.5	CAP.	2.5 5.8 4.2	8. 6.8 3.3	8.0.8	8. 0.0		- m	8.		
34 - 40 41 - 47																	
48 - 55																$\langle \rangle$	
% AI	6.0	5.3	6.7	3.6	10,8	2.5	2.4	10.8	13.3	8.6	ec .	25		1.7	1.7	\ \	
WEAN WIND SPEED	10.2	6.3	4.9	4.4	4.3	5.7		3.2	9.9	6.7		5.1		0.4	3.5		

TOTAL NUMBER OF OBSERVATIONS

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5702 SURFACE WINDS JAN 68

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	YEARS	22	9
73-76		ALL WEATHER	CLASS
SOUTH CARDLINA NWSEU 73-75	STATION NAME	ALL	
CHARLESTON, SOU			

(KNTS)	1.3	9.+	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% A1	8	WEAN WIND SPEED
z	1.7	8.	2.5	1.7								6.7	
NN	2.5	1.01	4.2	3.0								14.6	8.6
a z	1.7	2	0									2.0	8.0
ENE	3.3			න •								(C)	4.3
w		1.7										1.1	0.4
ESE	1.7											7.1	2.0
SE	æ		0									1.1	
SSE	2.5	1.1	1.7									(C)	4.
s		N . N	89		op.							2.4	8.4
SSW	0.8	3.3	1.7									10.0	4
NS.	5.0		2.5	*								12.5	5.1
WSW	1.7	1.7	œ.									4.2	4 . 2
*													
WNW	α. •	1.7	.									7° 71	5.3
ž		œ.											5.0
NNN		1.7	1.7									3.3	9
VARBL													
CALM	\bigvee	X	\bigvee	X	\bigvee	19.2							
	26.7	25.8	18.3	9.2	23							100.0	4.7

13758 STATION

096

TOTAL MABER OF OBSERVATIONS

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	SEP	HINOM	770	HOURS (L.S.T.)	
(FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CARDLINA NWSED 73-76	STATION ALME	ABEATER JAA	58717	HOILIGHOO

(KNTS) DIR.	1.3	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	%	WEAN WIND SPEED
z	3.6	3.9	3.9	8	25 %							1.4.1	7.4
NNE	1.60	1.5	4.5	2.0								10.3	8.1
Z.	1.9	2,5	2.5		2.							6.9	6.9
ENE	1.4	2.3	. 7		•							0.0	6.3
w		213	5.7									5.4	6.1
ESE	0	. 7	1.4	en.								3.0	6.1
SE	0	7.5	5,	*5								2.3	0.9
SSE	**	2.6	1.2									6 6	6.1
S	6.	1.9		.7	4.							7.1	7.9
SSW	7.4	5.4	1.2	'n								5.5	3.9
SW	1.7	2.5	7.5		-4.							5.0	5.7
WSW	1.0	30.	1.0	3.								6.3	5.9
*	1.6	1.4	0	€.								2.4	5.3
WNW	1.0	1.2	123									5.6	4.3
32	1.1	0.	•									2.2	0.4
NNN	6.	1.64	3	2.								3.4	5.5
VARBL													
CALM	X	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	X	\bigvee	11.4	
	21.4	30.2	24.3	11.2	1.4							100.0	5.6

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

100	HTMOM	10	HOURS (L.S.T.	
	YEARS			
CHARLESTON, SOUTH CAROLINA NASEO 73-7	STATION NAME	ALL WEATHER	CLASS	CONDITION
13759	STATION			

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SPEED (KNTS) DIR.	- 3	9.	7 - 10	1 - 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	Al	8	% 995 A
z	6.9	9.6	4.5	2.5	Ø3								16.9
NE	3.5	3.6	3.0	0.4								1	17.7
ä	C(7)	0.4		•									2.0
EE	2.4	7:0											0.0
													20
ESE		·											•
SE			03										00
SSE													
s		ω. •			ා •								1.0
SSW	00	æ•	æ.										2.4
NS.			1.6	0									2.4
WSW	1.6	1.0	eg •										0.4
*	0.1	2.4	2.4										6.0
WNW		~	3 *										1.6
ž	0	2.5	1.6										5.6
NN.	3.5	0.4	1,6										8.9
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	M	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee		20.2
	19.4	31.3	16.5	6.8	1.0							-	100.0

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TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

סכי	YEARS	90	HOURS (L.	
CHARLESTON, SOUTH CAROLINA NWSED 73-70	STATION NAME	ALL MEATHER	CIASS	TOTAL
3758	STATION			

SPEED (KNTS) DIR.	1.3	4 . 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	VI 85	%	WEAN WIND SPEED
z	6.5	10.5	1.6	0.4								22.6	0.9
NN	00	6.7	0.4	7.3								21.8	8.1
w X	1.6	60	30									3.2	4.5
ENE													7.0
	1.0											1.6	2.0
ESE													
SE													
SSE				3.								•	12.0
s	100											(2) •	2.0
SSW		30			co •							1.6	11.5
NS.	1.6			-								ent.	5.5
WSW		00	(C)									1.6	7.5
*	2.4	2.5	2.4									. ₩	3.0
WNW	1.6	0.4	00									6.5	6.4
ž	33	1.0	3.2									0.5	6.4
NNN	4 €3	0.4										6.3	23
VARBL													
CALM	\bigvee	X	X		M	X	\bigvee	\bigvee	X	\bigvee	\bigvee	E 61	
	20.2	36.3	14.5	12.9	33							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	SOUTH CAROLINA NWSED 73-76	YEARS	ALL MEATHER	CLASS HOURS (L.S.	notation(v)
DIRECTI (FROM HOU	CHARLESTON, SOUTH CAROLINA NWSED		AL		

13758 STATION

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SPEED 1 - 3 DIR.	z	NNE	w Z	ENE	w	ESE	SE	SSE	s	SSW	SW	wsw					VARBL	CALM	33
4 . 6	.7 10.5	3.2	30	*	æ.						2.	27	1.6 2.4	3.2 4.0	1.6 1.6	3.2 2.4		$\langle \rangle$	32 6 30.6
7 - 10	11.3	0.4										1.0		0.4	æ.	7.0		$\langle \rangle$	2.40
11 - 16	9.0	6.5						7.0										X	13 7
17 . 21																		X	
22 - 27																		X	
28 - 33																		\bigvee	
34 - 40																		\bigvee	
41 - 47																		\bigvee	
48 - 55																		\bigvee	
ا۸ 9																		\bigvee	
%	27.1	18.5		•	æ0			9.1			1.0	2.4	8.4		4.0	7.3		00	100.0
WEAN WIND SPEED	9.6	7.9	4.0	4.0	5.0			13.0			0.4	7.7	4.3	5.5	4.0	4.4			60

184

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)	
CHARLESTON, SOUTH CARDLINA NWSED 73-75	UCT
	FNOM
ALL MEATHER	10
CLASS	HOURS (L.
KOLLIGNOO	

13758 STATION

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SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۸۱ کو	%	MEAN WIND SPEED
z	2.4	6.3	0.4	4	1.6	900						21.8	9.1
NE	2.4		8.4	0.0	2.4							21.0	9.2
ž	5.2		0.4	00								13.	5.9
ENE	0		92									3.2	4.3
w	150		ω. •									1.5	5.0
ESE	63											8.	2.0
SE		ි ම	•	ಿ								4.5	7.7
SSE													
s		9.3	3.		3.0							0.4	11.0
SSW													
SW		·		10°								1.0	10.0
wsw	1.6	co *										7 . 4	3.3
*			2.4	æ•								0.4	7.6
WNW	8	3.5	0.3										4.5
¥	œ.	3.	9.7									3.3	
NN.	60	3.2	5.6	3D								10.5	7.2
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	00 -d*	
	14.5	33.1	26.6	14.5	3.6	Ø0.						100.0	4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

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VAT	
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OBSER	
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HOURL	
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חכב	NON	13	HOURS	
.76	YEARS	ď		
CHARLESTON, SOUTH CAROLINA NASED 73-76	STATION NAME	ALL MEATHER	CLASS	CONDITION

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SPEED (KNTS) DIR.	5	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	7 56	%	WEAN
z	1.6	1.6	15.3	0.4	2.4							25.0	9.5
NNE	5.4	5.6	0.4	7.0								1.3.	9.9
ž	2.4	e .	æ •	1.6								8.1	6.7
ENE		æ.	3.8									0.4	7.4
w		2,4	es									5.6	7.1
ESE	009	7.6										**************************************	4.3
35		7.0	1.6	00								0.4	1.4
SSE	1.0	න •	60									5.0	9.0
S	(D)	3.6	∞ •	3.6		න						7.3	80
SSW													
SW	30 ·											-	3.0
WSW	83 •	33 •	7.0	20								0.4	8,0
*	0	5.5	1.6									8.4	5.8
WNW													
¥		8.	5.4	7.0								6.0	6.3
NNN		7.0	1.6	a								0.4	9.0
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	X		X	X		9	
	12,1	26.6	39.5	12.9	2.4	30						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

124

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13758 STATION

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CHARLES ON THE CANDLINA MANCE	73-76	130
STATION NAME	YEARS	момти
AL	ALL WEATHER	16
	CLASS	HOURS (L.S.T.
	CONDITION	

	1.3	9 . 4	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	%	WEAN WIND SPEED
z	1.6	7.0	7.3	4.0	0							13.03	9.0
NE		9.1	8.4	00	00							C	9.8
Ä		1.6	0.4		80							6.3	8
ENE	co.	3	1.6									m m	5.8
		0.4	6.5									10.5	6.9
ESE	00	4.5	0.4									7.3	6.7
SE	20	œ.	3.1	00								0.4	
SSE		0.4	11.3									15,3	7.
s		3.6	6.5	9.7	æ							\$ · O T	9
SSW			1.6									1.5	8.0
SW		33	B.									1.6	1.
WSW			80	œ.								1.6	6.5
*	en-	æ.	e3 •									2.4	5.3
WNW				7.6								1.6	12.5
ž	an •	1.6	2.4									8 . 4	6.3
NNN		1.0	5.4	.								6.4	8.2
VARBL													
CALM	\bigvee	\bigvee	X	X	X	M	\bigvee	\bigvee	\bigvee	X	\bigvee	E .	
	5.6	23.4	56.5	10.5	2							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

124

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13758 STATION

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DCT	HONTH	19	HOURS (L.S.T.)	
73-76	YEARS	X MI	55	TION
CHARLESTON, SOUTH CAROLINA NWSED 73-76	STATION NAME	ALL MEATHER	CLASS	CONDITION
13758	STATION			

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SPEED (KNTS) DIR.	1.3	9 . 4	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	% AI	%	MEAN WIND SPEED
z		4.8	3.6	1.6								12.1	7.9
NNE		0.4	2.4	80								7.3	6.8
w Z	5.5	0.4	5.2									6	0.0
ENE	æ.	0.4	00									2.0	2.6
.	6.0	4.8	ec.									12.1	3.7
ESE	89	1.6										2.4	4.3
SE	3.2	0.1										20.4	3.0
SSE	8	0	3.2									3.6	7.3
s	1.6	co.		30								3.2	6.5
SSW	1.6	3.5	30									5.6	4.7
SW	0		·									1.0	5.5
WSW			2.4									4.2	8.0
>	1.6	1.6	0.4									2.3	6.1
WNW	•	0.4										4.0	4.3
ž	90 ·		9.									1.6	9.0
NNN	8.	7.6										4	4.7
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	11.3	
	22.6	37.1	24.2	8.4								100.0	5

TOTAL NUMBER OF OBSERVATIONS

124

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TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 68

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SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7

2.2 HOURS (L.S.T.) OCT HONTH YEARS 73-76 ALL MEATHER CONDITION CHARLESTON, SOUTH CAROLINA NWSED 13758 STATION

ESE 4.0 1.6 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8
8 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
2.4
1.6 2.4 8.8 8.8 8.8 8.8 8.8 8.8
7. 8. 4. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.
2 2 2
2.4
. 8 2.4 2

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CHARLESTON, SOUTH CAROLINA NEWS 73-76		מכב
STATION NAME	YEARS	HUNTH
ALL MEATHER		ALL
CLASS		HOURS (L.S.T
KOLLIGNOD		

22 · 27 28 · 33 34 · 40 4	28 - 33 34 - 40 41 - 47	28 - 33 34 - 40	28 - 33
	41 - 47	41 . 47 48 . 55	41 · 47 · 48 · 55 · 156
		. 55	25 · 84 ·

13758 STATION

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120

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

THE CAKELLIAM NEOFIL	6
STATION NAME	YEARS
ALL WEATHER	
CLASS	
CONDITION	

SPEED 1 - 3 DIR.	z	NNE	NE	ENE		ESE	SE	SSE	S	SSW	WS	WSW	3	WNW	-	NNN	VARBL	CALM	
ъ	. 7	33	7.1			63		1.7	6.			1.1	1.7	2.5		3			-
9.4	4.2	4.2	1.7	1.97	es •				00	3.3	1.7	5,0	2.5	1.7	1.7	(A)		X	
7 - 10	1.7		80						60	00		8	1.7	2.5	33	1.7		X	
11 - 16	2.0		20.							2.3	1.9		25		9			\bigvee	
17 - 21	33.																	\bigvee	
22 - 27																		\bigvee	
28 - 33																		\bigvee	
34 - 40																		\bigvee	
41 - 47																		\bigvee	
48 - 55																		\bigvee	
% AI																		\bigvee	
%	10.8	6.7	5.0	1.1	1.7	\$0 •		2.5	2.0	6.7	3.3	2.6	6.0	6.7	3.3	8.0		23.3	
MEAN WIND SPEED	7.5	5.8	5.5	5.0	0.0	3.0		60	4.3	8.6	00	5.3	7.7	5	0.6	5.7			

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

>500	HENOR	20	HOURS (L.S.T.)	
	YEARS			
73-76		ALL WEATHER	CLASS	CONDITION
CHARLESTON, SOUTH CARDLINA NWSED 73-75	STATION NAME	714		

13758 STATION

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2.3	4.6	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۱۷ و	%	WEAN WIND SPEED
4.2	30	6.7	2.5	80							20.0	7.0
2	ಂ	30	00								10.0	9.6
63											8.8	6.4
00		co									7.5	2.0
	(C)										8.	3,0
000			20								1.7	6.3
1.7											1.7	2.5
1.7		00:									2.5	4.7
			30								20.	12.0
1.7	20	5									3.0	3.8
2	5.0										03	4.7
00	5.0	3.3	80								10.0	6.8
1.7	2.5	1.7	5.5								E 60	7.5
3		20									2.0	0.4
3.3	5.0		30								0.0	6.4
X	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	11.7	
24.3	24.0	24.3	0,01	0							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NON	HTMON	10	HOURS (1.5 T.	
	YEARS			
73-76		ALL WEATHER	CLASS	NOTE
CHARLESTON, SOUTH CAROLINA NWSED 73-76	STATION NAME	M TV		93
13758	STATION			

*

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	91 - 11	17 . 21	22 . 27	28 - 33	34 - 40	41 - 47	48 · 55	VI 95	*	WEAN WIND SPEED
z	3.3	6.7	6.7	2.5	æ.							20.0	6.8
N N	3.3	2	3,3	1.7	1.7							12.5	
Ä	1.7		e	1.1								6.1	4
ERE	003	œ.	•									5.2	4.3
	00	æ										1.1	
ESE													
SE	3	7	8.									7.5	7.0
SSE													
s	1.7	æ•										2.5	3.0
SSW			ಿ.	70								1.7	11.0
SW	•	1.7	1.07									2.0	6.8
WSW		2.5	2.5	00								0	8.0
*	5.5	0.1	 	1.1								14.2	۵
WNW	灾.	2.5	w.									7.	
ž		00. (N)	3·	2.3	23							1.0	10
NNN	2.5	20	æ•	1.7								3.	3
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	X		\bigvee	6.7	
	19.8	30.0	25.8	15.0	(7)							100.0	6.6

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120

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

>DN	нтиом	13	HOURS (L.S.T.)	
	YEARS			
CHARLESTON, SOUTH CAROLINA NWSED 73-76	STATION NAME	ALL MEATHER	CLASS	CONDITION

SPEED (KNTS) DIR.	 	9.4	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۲۱ ود	%	WIND WIND SPEED
z	2.5	3.3	30	10	20							13.3	7.1
NNE	1.7	3.3	90										6.4
Z.	00	3.3		1.7								82 80	7.6
ENE	92		1.1	00								2.4	7.0
		2.5	2.5									2.0	6.7
ESE	1.7		8.									2.5	6.3
SE		φ.	æ.									1.7	7.0
SSE	00	w.	∞.									2.0	3.0
s		~	1.7									2.4	6.2
SSW	න			1.7	30							2.4	4.6
SW		00	1.7									0	9.3
WSW	33.	1.1	2,5	1.1								6.1	00
*	00	0.8	3.3	2.4								13.3	7.9
WNW			2.4	00								20	8.6
¥		2.5	1.7	3.3								7.5	0.6
NNN	1.7	1.7	1.7	33								30.	6.4
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	X	X	\bigvee	80 80	
	12.5	33.3	30.0	16.7	1.7							100.0	6.0

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5702 SURFACE WINDS JAN 68

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

202	HTMOM	16	HOURS (L.S.T.)	
	YEARS			
CHARLESTON, SOUTH CARDLINA NUSED 73-76	TATION NAME	ALL MEATHER	CIVES	CONDITION
13758	STATION			

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(KNTS) 1 · 3 4 · DIR.	~ %		Z Z	es es		ESE . 33	SE	2 8 ss 3ss	S	45 WSS		WSW	2.5	1.7	8.		VARBL	CALM	
6 .	2.3	00:	7 . 7		107	3.3	√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√<		1 . 1	2.4	33. •		2.0	(A)	00	1.1		$\langle \rangle$	-
7 - 10	9.6	8,		5.5	5.0	un.		0°5	6.0	4.2	EQ.		1.1		20	3.3		X	-
91 - 11	1.7							eo •		5.5	en .	œ.	2.5	1.7		2.5		X	
17 - 21												201	1.1						
22 · 27																		\bigvee	
28 - 33																		\bigvee	
34 - 40																		\bigvee	
41 - 47																		\bigvee	
48 - 55																		X	-
N 26																		\bigvee	
*	10.8	1.7	1.1	3.3	1.5	6.7	5.5	2.6	0.5	10.8	0	1.7	F 9 3	w w	2.4	7.5		3.3	
MEAN WIND SPEED	7.7	7.0	0.0	7.8	7.4	5.0	4.7	7.0	7.7	7.7	11.0	15.0	4.00	6.3	6.2	6.8			

TOTAL NUMBER OF OBSERVATIONS

120

5702 SURFACE WINDS JAN 68

120

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

	STATION NAME YEARS	
110	ALL ENATHER	
	CLASS	

NNE 2.5 1.7 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8	2.5 1.7 3.3 8 2.5 1.7 3.3 8 2.5 2.5 1.7 1.7 3.3 8 3.3 1.7 1.7 2.5 8 2.5 5.7 3.3 8 3.3 1.7 1.7 2.5 8 3.3 1.7 1.7 2.5 8 3.3 1.7 1.7 2.5 8 3.3 3.3 8 3.3 3.3 8 3.3 8 3.4 8 3.5 8 3.6 8 3.7 8 3.8	SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47		48 - 55	 48 . 55 256
2.5 2.5 2.5 3.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8	2.5 1.7 1.6 2.5 2.5 .0 2.5 2.5 .0 8.8 3.3 1.7 1.7 2.5 2.5 2.5 .0 8.8 .0 8.8 .0 8.8 .0	z	2.5		33	3								20
2.5 2.5 8 1.7 1.7 1.7 2.5 8 2.5 5.0 8 2.5 5.7 3.3 1.7 1.7 2.5 8 1.7 1.7 1.7 2.5 8 1.7 1.7 1.7 2.5 8 3.3 2.5 2.5 8 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3	2.5 2.5 .6 2.5 2.5 .6 2.5 2.5 .6 3.3 1.7 1.7 2.5 2.5 6.7 3.3 2.5 .8 1.7 1.7 1.7 2.5 .8	N N	2.5		30									0
2.55 2.55 3.66 3.88 3.88 3.88 3.88 3.88 3.88 3.88	2.5 2.5 .8 2.5 5.0 .8 1.7 .8 3.3 1.7 1.7 2.5 2.5 6.7 3.3 2.5 6.7 3.3 1.7 1.7 2.5 2.5 2.5 88 8.88 .88	Ä	30		1.7									2.4
2.5 5.0 .8 2.5 5.7 1.7 2.5 2.5 5.7 3.3 2.7 1.7 2.5 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	2.5 5.0 .8 1.7 .6 3.3 1.7 1.7 2.5 2.5 6.7 3.3 2.5 2.5 .8 1.7 4.2 2.5 .8 .8 .8 .8	ENE	2.5											8
2.5 5.7 1.7 2.5 2.5 2.5 2.5 2.5 3.3 2.7 1.7 2.5 2.5 2.5 3.3 2.5 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3	1.7 .8 .8 .8 .2.5 .7 1.7 2.5 .2.5 2.5 .8 .8 .8 .8		2.00		80									m (0)
2.5 5.7 1.7 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	2.5 6.7 3.3 2.5 6.7 3.3 2.5 2.5 8 2.5 2.5 8 1.7 1.7 8.8 1.7 4.2 2.5 8	ESE		(X)										
3.8 .8 .2.5 .2.5 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8	3.3 1.7 1.7 2.5 2.5 6.7 3.3 2.5 2.5 .8 1.7 4.2 2.5 .8 .8 .8 .8	SE		33.										2.3
3.3 1.7 1.7 2.5 2.5 2.5 3.3 2.5 2.5 .8 1.7 1.7 1.7 3.8 .8	3.3 1.7 1.7 2.5 2.5 6.7 3.3 2.5 2.5 .8 1.7 1.7 1.7 1.7 4.2 2.5 .8 .8 .8 .8	SSE	8									1		1.
2.5 6.7 3.3 2.5 2.5 1.7 1.7 4.2 2.5 3.3 8.8	2.5 6.7 3.3 2.5 2.5 .6 1.7 1.7 1.7 4.2 2.5 .8 .8 .8 .8	s	3.3		1.7	2.5								9.2
2.5 2.5 1.7 1.7 1.7 4.2 2.5 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8	2.5 2.5 1.7 1.7 1.7 4.2 2.5 8 .8 .8 3.3	SSW	2.5		9									12.5
1.7 4.2 2.5 .8	1,7 1,7 1,7 4,2 2,5 .8 .8 .8 .8 .9 .8 .8	NS.	2.5	2.5	- C									2
2. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	3.3	WSW		1.7	1.1									70
20 20 EN EN	8 5 E	*		4.2		æ								2.6
8, 8, 6, 8,	8. 8. 8.	WNW		80		3.								2.5
3.3	3,3	×		•		33.						-		γ.,
	VARBL	NNN		3,3			©					-		4.2
CALM			93 3	7. 32	1.0.2	18	a					1		0.001

TOTAL NUMBER OF OBSERVATIONS

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22 HOURS (L.S.T.)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	VEARE	'Trans
(FROM HOURLY OBSERVATIONS)	73*76	
(FROM HOURLY	, SOUTH CAROLINA NWSED	STATION NAME
	CHARLESTONS	
	1	

13758 STATION ALL MEATHER

CONDITION

1			
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2000 2000 2000 2000 2000 2000 2000 200	103 100 no.		
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2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	un out no		
2.5	120 150		
2.5	22 02		
2.5	100 mg		
	not inc.		
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3,3			
7 5.8 3.3			
5.8 3.3			
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3. 7.1			
S. S. 3.	2		
		X	\bigwedge
21.7 30.0 17.5 7.5	*** ***		

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TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 68

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TOWNS YER CLASS		9	>0Z	HONTH	ALL	HOURS (L.	
73-70 KEATHER CLASS	ROLINA NWSED 73-76	STATION NAME STATION NAME ALL WEATHER CLASS		YEARS			
	POLINA NESED	SDUTH CARDLINA NWSED STATION NAME ALL	73-76	•.	A TANK	CLASS	

SPEED (KNTS) DIR.	1.3	6 . 4	7 - 10	11 - 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	71	%	WIND SPEED
z	2.5	0.4	5.0	1.0	in.							100 m	-
ZZ	1.6	2.3	2.0		2.								6.
Z.	1.8	10.01	6.	9.								€00 •	5.0
ENE	100		6.	-								0 6	9.0
	0	1.1	1.2	-								er.	3.6
ESE	0	127	23									· ·	5.2
SE	\$. 7	2.									1.7	0.0
SSE	1.	6.	. 7									20°	5.4
S	1.7	1.4	1.2	27								4.8	0.0
WSS	9	2.0	00	1.1								2.0	7.6
WS.	1.0	1.7	7.7	· 0								60.7	00
WSW	6	2.00	1.8	5	•							6.1	6.6
3	2.0	4	Sed Con	00								12.0	7.0
WNW	0	1.8	1.6	5.								14	6.9
ž	6.	1.64	6.	0.	•							*	7.7
NN.X	1.5	1.9	1.1	1.1	~ •							5.1	6.
VARBL													
CALM		\bigvee	\bigvee		X	X		\bigvee	X	\bigvee	\bigvee	13.5	
	9.8	9.08	24.3	11.0	1.4							100.0	(5)

13758 STATION

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TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME STATION NAME A1, WEATHER CLASS CONDITION	290	HTHOM	10	HOURS (L.S.T.)		
STATION NAME STATION NAME ALL MEATHER CLASS CONDITION		YEARS				
STUTH CAROLINA NESED STATION NAME ALL IN	73-76		EATHER.	CLASS	DNDITION	
STATION NAME STATION NAME	DESE		ALL		8	
STATION NAME	ARDLINA					
	SOUTH C.	STATION NAME				
	CHARLESTON					

-

SPEED (KNTS) DIR.	1.3	4 . 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	8 Al	%	WEAN WIND SPEED
z	2.4	1.0	545 CA		**							8	
NE	2.4	*	2.5	7.0								ac ac	
Z.	5.4	0.4	C# 60									-	
ENE		*	C3:									1.6	
													
ESE													
SE					3							•	18.0
SSE		0.										1.0	
S	0°1	0.4	8.8	æ								1.	1
SSW		*	9.4	00								0.4	0
SW		90	e3	0								3.4	11.0
WSW	1.6	2.4	500	20								7.3	9
*	4.8	2.0		77.								1.0	_
WNW	7.0	2.4	120	7.0	•							4.5	80
×	4.2	.0	8									•	
NNN			1.6									1.0	
VARBL													
CALM	X	X	\bigvee	X	X	X		\bigvee	\setminus	\bigvee		20.2	
	17.7	23.4	26.6	7.0	2.4							100.0	

13758 STATION

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124

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

IN NAME AND IN A MASKU	DEC	HEMOW	70	HOURS (L.S.T.	
STATION NAME STATION NAME STATION NAME STATION NAME STATION CONDITION CONDITION		YEARS			
STATION NAME STATION NAME	A NEW TO TOTAL	940	ALL WEATHER	CLASS	CONDITION
Z C	CHARLESTON, SOUTH CAROLIN	STATION NAME			

SPEED (KNTS)	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	N 58	%	
ž z	971	1.6	4.0	0.4								11.	-
NNE		2.4	52.7	30								6	-
Z.	20		2.5	m								4	
ENE		10	œ.	æ.								2.4	
ESE									,				
SE												85	
SSE	33			20								9.7	-
s	9.1	•										**	_
SSW	00	no.	70									2.4	
SW	0	· •	2.4		20							0	
WSW	7.0	30.	89	30								0.4	-
*		9.7	8.4	3.5	00:							18.3	
WNW	0.4	5.2	200									10.5	-
ž	10	1.6	9									200	
NNN	3.2	1.6	1.6									6.0	
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X		\bigvee	\bigvee	X	\bigvee	10.	. 1
	19.4	24.2	3.80	2	1							0.001	

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 68

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(S)	230	YEARS	20	HOURS
DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CAROLINA NWSED 73-70		ALL REATER	CLASS
	13758	STATION		

SPEED (KNTS) DIR.	1.3	4 . 6	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	VI 86	*	WIND SPEED
z	2.4	8.4	7.3	1.6								16.1	1.0
NNE	00	2.4	0.4	1.0								8.9	8.0
a z	es •											20.	3.0
ENE	1.6	9.4										3.2	3.5
E E				3								0.7	10.0
ESE													
SE		93											2.0
SSE		60	©									0	6.5
s		73.	00									5.4	3.3
SSW			7.6									5.4	10.0
NS.	1.6	9.7	5.4	7.0								1.3	7.2
WSW	2.4	1.0	7.0	•								6.5	5.8
3	1.6	3.0	4	1.6								13.1	9.0
WNW	8	8.4	2.4	1.0	œ.							10.3	1.5
ž	0.4	5.4	90									7.3	0.4
NNW	8.	03	1.0									3.2	2.0
VARBL													
CALM	X	X	M	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	13.7	
	17.7	29.0	28.2	10.5	100							100.0	5.7

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TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 68

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DEC	THOM	10	HOURS (L.)	
CHARLESTON, SOUTH CAROLINA NWSED 73-76		ALL WEATHER	CLASS	CONDITION

SPEED (KNTS) DIR.	z	N.E	N.	ENE	.	ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	¥	NNN	VARBL	CALM	
1.3	1.6		4.5	5.4		1.6			α2 •		00	1.6	00		1.6	•		X	2 7 .
4.	3.8	3.5	2.4	*	30.			7.0	3.4	8.8	7.0	1.0	4.5	2.4	1.6	2.4		\bigvee	27 1.
7 - 10	5.6	4.5			00			30 3			භ	7.6	8.4	0	1.6			\bigvee	10.7
11 - 16	2.4	0.4	2.4	00							5.2	2.4	3.5	3.2	9	e.		\bigvee	9 66
17 . 21														9.				\bigvee	4
22 - 27																		\bigvee	
28 - 33																		\bigvee	
34 - 40																		\bigvee	
41 . 47																		\bigvee	
48 · 55																		X	
VI 85																		\bigvee	
%	12.9	2.6	7.3	0.4	1.0	1.0		3.0	3.2		6.9		11.3	7.3	5.6	0.4		14.5	100.0
WEAN WIND SPEED	7.9	4.6	1.1	5.6	6.5	5.5		2.3	4.8	2	1.6	80	9.4	10.	9.6	3.6			8 8

13758 STATION

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SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

CHARLESTON, SOUTH CAROLINA NWSED 75-70 YEARS FORTHER ALL WEATHER CLASS HOURS CLS	DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	
STATION NAME ALL WEATHER CLASS CLASS CONDITION	N, SOUTH CAROLINA NWSED)ad
HOURS	STATION NAME	FNOM
	ALL MEATHER	13
CONDITION	CLASS	HOURS (L.S
	CONDITION	

13758 STATION

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SPEED (KNTS) DIR.	1.3	9.4	7 . 10	11 · 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	2 2	%	MEAN WIND SPEED
z	2.4	3.2	0.4	3.2								12.9	
NNE	30	2.4	1.0	1.6								6.9	
Z	00	2.4		30								0 4	0.9
ENE		1.6		1.6	œ.							0.4	10.4
w		00	1.6									2.0	4
ESE	8	1.0										3.0	*
SE	ei •	°		7.0								3.6	KECT .
SSE		7.2	3.0									20	-
s	(Z)	4	5.4	6.								æ	Ď
SSW		3.0	αυ •	9								7	0 8
NS.			.0	4.5								3.2	12.5
WSW		7*0	1.6	5.4		30						6.9	=
*	00	9.4	0.4	6.0	5.4							13.3	11.6
WNW		00	5.5	3.5								6.0	2
ž	Ø.	7.0		0.7								4.0	3.2
NN.	3	3.5		œ.	903 •							8.6	7.6
VARBL													
CALM	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	X	X	2.0	
	80	30.08	25.0	27.4	0.4	8.						100.0	60

TOTAL NUMBER OF OBSERVATIONS

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TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 68

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DEC	MONTH	16	HOURS (L.S.	1
CHARLESTON, SOUTH CAROLINA NESED 78-70	STATION NAME	ALL SHATTER	CLASS	MULLING
13758	STATION			

(KNTS) DIR.	1.3	9.4	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	95	8	WIND
z	200	1.6	1.6	89								89.4	7.0
N N	1.6	æ.	1.6									4.8	6.5
W.		3,0	:00									2.4	5.7
ENE		3		3.6								0.4	12.2
	1.6	· .	10									3.2	4.5
ESE		9.9	4.8									0.4	1.00
SE		7.00	3.6									3,2	0.5
SSE		0.4	0.4									3	6.3
s	0	90	0.4	2.4								3.1	8.1
SSW		5.4	1.0	1.0									7.9
SW	1.6	1.0	0.9	1.6								8	7.8
wsw			3.5	1.6								8 **	6.7
*	2.4	30.4	1.6	9.0								14.5	8.6
WNW	1.0		3.2	504	2.4							3.8	5.01
×		ග	0.4	1.6								0.0	9.6
NNN	80		1.6	æ.								3.2	7.8
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	3	
	12.1	23.4	36.3	21.0	2.4							100.0	7.8

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TOTAL NUMBER OF OBSERVATIONS

The state of the s

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DEC	HTHOW	61	HOURS (L.S.T.)	
	YEARS			
73-76		EATHER	CLASS	CONDITION
CHARLESTON, SOUTH CAROLINA NWSED 73-7	STATION NAME	ALL WEATHE		30
13758	STATION			

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	1 · 16	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	VI 85	*	WEAN WIND SPEED
z	8	8.	1.6	80	9.							8.4	9.8
NN	3.5	7.0	1.6									6.8	6.4
w Z	9.	## P	7.6	7.0								6.6	60
ENE	00	3.2	3.2									7.3	6.1
	3.2		9.	207								8 4	5.3
ESE				-								8	1
SE	5.5											2.4	2.7
SSE	7.0	2.4										8.4	3.0
s	es.	0.4	30.									7 .	4.1
SSW	*			1.6								8.4	
NS.		4.5											
WSW	1.6		3.5	æ.								6 8	6.2
3	0.4	200	8.4	30								12.9	2.8
WNW	00	8.	80	æ								3 8	7.3
ž	00	0.1	1.0									0.4	0.0
NNW				83								e .	
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	\bigvee	10.5							
	25.0	29.	24.2	10.5								100.0	5.6

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TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

230	YEARS MONTH	NOUR
CHARLESTON, SOUTH CAROLINA NWSED 73-76	STATION MAME	CLASS
13758	STATION	

SPEED 1 - 3 4 - 6 7 - DIR.	2.4 I.o	~	Ne 1.66 2.4	at .	3.0	ESE	SE	SSE 2.4	20 ·	1 0.1 8. wss	∞ ° ws	9.0 1.6	2.4 4.0	4.0 2.4		9 T 8 T NNN	VARBL	CALM	
7 - 10	0.4	* 2	1.6							0.1	a	200	9.0	3.6	8.	00		\bigvee	
11 - 16	00	3	æ? •						·		5.4	30	4					X	
17 - 21											© •							X	
22 - 27																		X	
28 - 33																		\bigvee	
34 - 40																		\bigvee	
41 - 47																		M	
48 - 55																		X	
VI 98																		\bigvee	
%	0	6.5	6.5	•	5.4			3.2	3.2	0.4	8 5	2.6	1.3.7	3.1	9•1	3.2		5.62	
MEAN WIND SPEED	7.0	9.8	6.3	3.0	3.7			6.3	6.9	5.4	11.2	6.1	7.2	4.1	0.9	5.5			

9 11 12

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CARKERNION VOCUTA CAROLLEA NEURO		
STATION NAME	VEARS	ALL
	959	HOURS (L
000	CONDITION	

The same was a second of the second

NNE 1.9 2.3 3.9 1.7 .2 NRE 1.9 1.7 2.5 1.4 .2 ENE 1.6 1.3 .6 .8 .1 SE 1.4 .3 .6 .8 .1 SE 1.4 .3 .6 .8 .1 SSE 1.4 .2 .1 SSE 1.4 .2 .1 SSW 1.6 1.0 2.2 1.0 .4 NWW 1.6 2.0 2.2 1.0 .6 NWW 1.6 1.6 1.6 1.6 .8 NWW 1.6 1.6 1.6 1.6 1.6 1.6 NWW 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 NWW 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	17	*	MEAN WIND SPEED
1.9 1.7 2.5 1.4 1.6 1.3 .6 .8 .1 1.7 2.3 .1.4 1.8 2.3 1.1 1.9 2.3 1.1 1.0 2.2 1.2 1.0 2.2 1.3 1.0 2.2 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0 3.3 2.3 1.0	z	1.8	2.3	3.9	1.7								10.0	7.6
1.2 1.4 1.3 .6 .8 .1 .1 .1 .6 .8 .1 .1 .1 .6 .1 .1 .1 .6 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	NNE	7.	1.7	2.3	7.7								7.6	6.9
1.6 1.3 .6 .8 .1 1.1 .7 1.2 .2 .1 1.4 .2 .1 1.4 .2 .1 1.4 .2 .1 1.4 .2 .1 1.5 .	Ä	1.2	7:1	ers	30								4.7	9.6
1.4 2.3 1.1 .0 1.4 2.3 1.1 1.4 1.3 1.4 1.5 1.0 2.0 2.0 2.0 1.4 1.5 1.0 2.0 2.2 1.3 2.4 1.5 1.6 1.4 1.5 1.6 1.6 1.4 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	ENE	0.	1.3	9.		•							3.6	7.4
1.4 2.3 1.1 .6 .1 1.4 .2 .1 1.4 .2 .1 1.4 .2 .1 1.4 .2 .1 1.4 .2 .1 1.5		30	i.	er.	~								2.0	5.0
1.4 2.3 1.1 .0 .7 .3 .4.0 c .4.0 c .7 1.2 2.0 1.9 .3 .1 .1 .0 .7 1.2 2.0 1.9 .3 .1 .1 .0 .1 .1 .2 .1 .3 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	ESE	155	*.	(P)									1.1	6.9
1.4 2.3 1.1 .0 .7 .3 .1 .3 .1 .3 .3 .1 .3 .1 .3 .3 .1 .3 .1 .3 .3 .1 .3 .1 .3 .3 .1 .3 .1 .3 .3 .1 .3 .3 .1 .3 .3 .1 .3 .3 .1 .3 .3 .3 .1 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	SE	5.	·	.2	7.	•							1.4	6.9
1.4 2.3 1.1 .6 .3 .1 .3 .1 .3 .3 .1 .3 .4 .3 .1 .3 .4 .3 .1 .3 .4 .3 .1 .3 .4 .3 .1 .3 .4 .3 .1 .3 .4 .3 .4 .3 .1 .3 .4 .3 .4 .3 .4 .3 .4 .3 .4 .3 .3 .1 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	SSE		1.0	7.4									0.4	6.2
1.6 1.0 2.2 1.3 .1 14.2 1.6 2.0 2.2 1.5 .0 .4 .1 14.2 1.5 .0 .4 .1 1.5 .0 .4 .1 14.2 1.5 .0 .4 .1 1.5 .0 .1 14.2 1.5 .0 .1 1.5	S	1.4	2.3		0.								4	5.9
1.6 1.0 2.2 1.3 .1 1.6 1.6 2.2 1.3 .1 14.2 1.3 1.5 .0 .4 .1 14.2 1.5 .0 .4 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	SSW	*		7.0									3.4	7.1
1.6 1.6 2.2 1.3 .4 .1 14.2 1.0 2.0 2.2 1.5 .0 .4 .1 14.2 1.0 1.0 .0 .4 .1 1.0 .0 .0 .1 1.0 .0 .1 1.0 .0 .1 1.0 .0 .0 .1 1.0 .0 .0 .1 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	SW.	4.	1.2	2.0	1.9								6.1	6
1.6 4.6 4.3 3.0 .4 1.0 2.0 2.2 1.5 .0 1.3 1.4 1.3 .5 1.5 1.6 1.6 1.9 .1 17.5 25.6 25.9 15.4 1.9 .1	WSW	1.6	7.0	2.2	1.3								6.9	7.3
1.0 2.0 2.2 1.5 .0 8.0 1.3 1.9 .1 8.0 8.0 8.0 8.0 8.0 8.0 8.0 1.0 0.0 13.3 13.3 17.5 25.6 25.9 15.4 1.9 .1	*	7.0	0.4	4	3.0	**							7.41	8.0
1.3 1.4 1.3 .5 3 3 3 3 3 3	WNW	1.0	0.5	2.5	1.5	9.							B. C.	8.0
17.5 25.8 25.9 15.4 1.9 .1	×	(Y)	1.6		•								**	6.3
17.5 25.8 25.9 15.4 1.9 .1	NN.	0-	1.5		*.	-							mt _i	4.9
17.5 25.6 25.9 15.4 1.9 .1	VARBL													
25.8 25.9 15.4 1.9 .1	CALM	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	13.3	
		17.3				1.9	.1						100.0	6.3

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

TOTAL PROPERTY AND ASSESSMENT

	ALL	HTNOM	ALL	HOURS (L.S.T.)	
DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	CHARLESTON, SOUTH CAROLINA NWSED 73-75	STATION NAME YEARS	ALL WEATHER	CLASS	HOILIGNOS

13758 STATION

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SPEED 1	z		¥	ENE	w	ESE	SE	SSE	s	SSW	SW.	WSW	3	WNW	*N	NNN	VARBL	CALM	
3	2.1	1.2	7.5	0	00	0			50	0.1	1.1	1.1	9.1	1.1	. 7	03			
4.	2.9	2.2	1.1	1.3	7 . 7		6.	en	2.00	2.00	5.3	2.5	3,3	1.5	7.0	1.2		X	
7 - 10	2.8	2.2	1.1	:0	1.5	•	1.0	5.4	2.0	2.2	2.2	2.4	3.1	1.4	6.	ा•ा		X	
1 . 16	1.7	1.0	9.	4.	9.	.2		6.	1.3	7.4	1.0	1:1	1.2	•		4.		\bigvee	
17 . 21	603	-	0.	0.	•	0.	0.		2.	• 2	~•	2	**	•	0.	•		\bigvee	
22 - 27	0.	0.							0.	0.	0.	0.	0.					\bigvee	
28 · 33				•						0.								\bigvee	
34 - 40																		\bigvee	
41 - 47																		\bigvee	
48 - 55																		X	
VI 85																		\bigvee	
%	6.7	6.8	5.5	3.5	4.4	2.6	2.8	3.4	8.1	7.1	6.1	7.1	4.0	1.5	3.0	3.5		10.01	
WEAN WIND SPEED	7.2	7.1	6.2	6.3	6.8	6.3	6.1	7.6	7.5	7.1	7.2	7.4	6.9	6,8	4.0	4.9			

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2

ALL	HENON	ALL	HOURS (L.S.T.				
CHARLESTON, SOUTH CAROLINA NASED 73-70	STATION HAME	INSTRUMENT.	CLASS	CIG 200 TO 1400 FT W/VSBY 1/2 MI DR MORE,	CONDITION	AND/DR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE	
13738	STATION						

NNE 1,5 3.0 1.7 .03 NRE 1,5 3.0 1.7 .03 NRE 1,5 3.0 1.7 .03 NRE 1,5 3.0 1.7 .05 NRE 1,5 3.0 1.7 .05 NRE 1,5 1.2 1.0 .1 SSE 1,0 1.4 1.2 1.4 .03 .1 SSW 1,0 1.4 1.6 .05 .3 NWW 1,0 1.4 1.2 1.4 .03 NWW 1,0 1.4 1.2 1.4 .03 NWW 1,0 1.4 1.2 1.5 .05 NWW 1,0 1.4 1.5 1.5 1.5 .05 NWW 1,0 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	SPEED (KNTS) DIR.	1.3	9.4	7 - 10	1 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 . 55	95 41	*	MEAN WIND SPEED
1.3 3.0 3.0 1.7 .8 1.7 1.8 1.7 1.8 1.7 1.8 1.7 1.8 1.7 1.8 1.7 1.8 1.7 1.8 1.7 1.8 1.7 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	z	3.6	4.1	3.0	5.7	erry.								8.2
1.0 1.2 1.6 1.7 1.0 1.1 1.2 1.0 1.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	N N	1.3	3.0	3.0	1.2									8 3
1.0 1.3 1.2 1.0 .1 1.2 1.0 .1 1.2 1.0 .1 1.2 1.2 1.0 .1 1.2 1.2 1.0 .1 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	Ä			3°-1	1.1								5.2	00
1.2	ENE	1.0	7.53	7.5	1.0								4.1	7.3
1.0		1.2	*	•	7.								0.4	1.
1.0 .6 .3 .1 .4 .1 .5 .3 .1 .1 .1 .1 .2 .1 .4 .8 .3 .1 .1 .1 .1 .2 .1 .4 .8 .3 .1 .1 .1 .1 .2 .1 .4 .8 .3 .1 .1 .1 .1 .1 .2 .1 .4 .8 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	ESE	9.	0	**	4.								2.2	7.2
1.0 .8 .3 .1 .4 .1.2 .1.4 .3 .1 .3 .	SE	'n	0.	10.3									2.1	9
1.0 1.4 1.6 .3 .1 .3 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	SSE	7.0	00	ner.	30								3.6	
1.0 1.4 1.2 1.4 .3 .1	S	νΩ.	6.	7.4	9.	113							1.5	0.6
1.0 1.4 1.6 .5 .3 1.3 1.3 1.7 .3 .9 2.3 2.1 .0 .1 .5 1.4 1.2 .5 .1 1.0 .9 1.8 1.0 .1 1.0 .9 1.9 1.0 .1 1.0 .9 1.0 1.0 .1	SSW	3C)	7.4	7.5	7 . 4								5.2	9.1
1.3 1.3 1.7 .3 .9 2.3 2.1 .6 .1 .5 .8 1.0 1.0 .1 .6 1.4 1.2 .5 .3 1.0 .9 1.8 1.0 .1 1.0 .9 1.8 1.0 .1	SW	7.0	1.6	7.0	s.								4.8	7.1
.9 2.3 2.1 .6 .1 .5 .8 1.0 1.0 .1 1.0 .9 1.2 .5 3.5 1.0 .9 1.8 1.3 .1 1.0 .9 1.8 1.0 3.5 1.0 .9 1.8 1.0 3.5 1.0 .9 1.8 1.0 0.1	WSW	1.3											0	30
. 5 . 8 1.0 1.0 .1 . 6 1.4 1.2 .5 3.6 3.6 3.6 3.7 11.0 11.0 11.0 100.0	*	6.	2.3		9.								6.1	-
1.0 1.4 1.2 .5 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	WNW		orac.	1.0	7.0								3.5	* 0
1.0 .9 1.8 1.3 .1	ž	9.	1.4	1.2	·								9	6.9
16.7 22.9 25.5 20.3 3.2 .3	NNK	1.0	•											7.9
16.7 22.9 25.5 20.3 3.2 .3	VARBL													
22.9 25.5 20.3 3.2 .3	CALM	X	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	11.0	
		16.7	22.	25.5	20.3	w.	.3						100.0	7.1

NWSED, Federal Building Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- By month by standard 3-hour groups

station was meeting or exceeding any given set of minima may be determined from the figure at the intersection reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visiferring to totals in the extreme right hand column. Also, visibility may be determined independently by bility. The totals progress to the right and downward. Ceiling may be determined independently by reon pages 2 and 3 below. U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque. to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948.

IV IV 0	≥ 300 ≥ 200	≥ 500 ≥ 400	≥ 700 ≥ 600	≥ 800 800	≥ 1200 ≥ 1000	≥ 1800 ≥ 1500	NO CEILING	(FEET)	CEILING
								≥ 10	
				Y				IV 6	
								IV On	
								VI 4	
95.4						91.0		IV ω	
								≥ 21/2	
96.9								≥ 2	VISI
								≥ 1 1/2	VISIBILITY (STATUTE MILES)
							5	≥ 1 1/2	ATUTE MIL
98.3		97.4						IV -	ES)
								% ≥	
							5(_	≥ %	
								≥ 1/2	
								≥ 5/16	
								≥ 1/4	
100.0		98.1				92.6	5	IV 0	

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed > 0. For instance, from the table: Ceiling > 1500 feet = 92.6%.

Ceiling > 500 feet = 98.1%.

the state of the s

- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 .

 Visibility ≥ 3 miles = 95.4%.

 Visibility ≥ 2 miles = 96.9%.

 Visibility ≥ 1 mile = 98.3%. From the table:
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling \geq 1500 feet with visibility \geq 3 miles = 91.0%.

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EXAMPLE # 4

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配置に対

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles. Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value observations meeting the lower set of limits, but not meeting the higher set of limits. in the table for the second set of limits. The difference will be the percentage of

subtracted from 97.4 read from the table at the intersection of > 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling > 500 feet with visibility > 1 mile, but < 3 miles; or ceiling > 500 feet, but < 1500 feet with visibility > 1 mile." The value 91.0 read from the table at the intersection of > 1500 feet with > 3 miles,

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.
- NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when marks beginning sometime in 1945, but few stations have punched data prior to 1948. This Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in reavailable, were punched for Air Force stations beginning in 1946, but were not available for summary will, of course, be limited to period of available data.
- NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. that data were originally reported in oktas. The manner of conversion is given below: been converted to tenths prior to summarizing, and notation is made on the form to indicate These have

0 1 2 3 4 5 6 6 7 7 8 (or obscured)	OKTAS
) 10 86 57 10 10	TENTHS

- 三二二二

TANK DE PART

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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

YEARS	PERCENTAGE FREQUENCY OF OCCURRENCE	ATIONS)
	P	ERV,
	REQUENCY	(FROM HOURLY OBSERVATIONS)
	CENTAGE F	(FROM HO
Cut .	PER(

CEILING							VIS	VISIBILITY (STATUTE MILES)	TATUTE MI	LES)						
(FEET)	VI 10	о Л	۶۵ ۱۸	VI 4	۳ ۸۱	> 21/2	7	V1 1/2	VI 52	- AI	۸I در	₹ ∧I	71	> 5/16	VI N	٨١
NO CEILING			0,			-	100	54.	36	55.9	55.9	55.9	55.9	55.9	55.9	57.
> 20000			-	0		*			570	000	3	00	00	203	00	
≥ 18000				0	53.8	60	50	*	57	(C)	001	00				
> 16000			-	2.		573	10)		20	٠ دى	02	8		00	•	
> 14000			-	52.7		33.00	55.9	-	57.	• ©	23	8		000	*	
> 12000				2	173	100	10	57.0	167			00		60		
			0						58.		3		0		0	
0006 <1			52.7	33	54.0	5			60	6	0	0		0	6	
			009	59.1	0		2	400	63.	*	*	. 4	*	. 4	*	
> 7000			.0	61.3	62.4	~				66.7	66.7		0	. 9	06.7	
				-	2	57	*	65.6	65.		0		1.099		9	67.
> 2000				62.4	3	153		9	66.	-		-	1.	-		
			~			*	9		67.	40	00		00	€	00	0
× 4000			5	66.7	-	1		,	71.	N		2.	2	2	10)	
			9	7.	00		4	ni	72.	100	273	6	3	60	*	15
> 3000			10		0	0	00	0	79	0	0	0	0	0	-	
			1		.9	0	00	0	79.	0	0	0	0	0	-	O
≥ 2000			10	-	00	(X)	0	-	23	~	ou.	2	2	2	3	W
			0		8	00	0	-	50	0	2	2	N	evi	*	IC.
> 1500			5		03	8	0	-	81.	~	N	2	è	2	13	
			5	6	3	œ	0	-		N	2	2.	. >	2		10
1000		74.2	80	0				10	30		.0	9	0	9	1.	
			8	0	-	-	213	0	86.	7	1.		-		8	
008			0	81.7	19	100	.0		100		0	6	0	6	0	
		74.2		81.7	00	50	0	00	30	0	6	0	0	6	0	-1
009		. 4		81.7	6	50	.0		00	6	6	6	6	0	0	
				81.7	10	60		0	68	0	0	0	0	0	-	
400				81.7		(5)	87.1		. 68		0	90.3	0	0	:	
				81.7	5	in		0	.06		-	-	5.	8	en	
7 200		74.2	79.0	81.7	85.0	85.0	88.2	60.3			91.4		65.5	92.5	93.6	96
8				81.7	5	5			.06		-			2	5	
				81.7			88	0	00	4			0 20	92.5	08.7	100

NAVWEASERVCOM

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5703 CEILING VERSUS VISIBILITY JAN 68

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034344488044440088888849489444000

CEILING VERSUS VISIBILITY

CHARLESTON, SOUTH CAROLINA NWSED

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

							VIS.	IBILITY (SI	VISIBILITY (STATUTE MILES)	LES)						
(FEET)	71	۸۱	\$5 A1	4	N AI	> 21/2	7	٧١ ٧٢	71	- AI	% AI	*	% Al	> 5/16	VI 3	٨١
NO CEILING		44.1	48.2	4 5 5 4	49.5	50.00	59.5	200	49.5	50.5	49.5	49.5	52.7	50.2	50.5	51.6
N 18000		47.3	00	-	2	52		N	1 10	52	2	2	N	2	173	4
N 16000		47.3		,	2	52		CV.	52.	52	2	2.	2	2	10,	4
Y 14000		4	•		52.7	523	52.7	52.7		525	20	25	N C	2	00 0	34.00
00001 4			2 00 4	-	3	חות			53.8	2 10	53.0	200	4 0	VE	4	
0006		484			54.8	54.0	54		4	34	*	*	. 4	4	10	57.0
0008 ~			4.	·	6	50		59.1		59	6	6	5	0	0	
> 7000		4		0	-	61	-	-	61.	61.	-	-	-		2.	
0009		4	57.0		61.3	0	61.3	61.3	61.	61.	61.3	-	-		N	63.4
		5	00 4		2	020		N.	62.	62.	2	2		2	m	
VI V 600 400		n a	, o o	0 4	200	0 -0	0 4 N 8	4.4	62.4	0 4	Nu	2 15		· 1	9 4	67.0
		0		4	0	6.5	9	0	66	66.	. 0	9	0	9	-	
3000		3	67.7			1	73.1	(17)	73.	7	(4)	3.	-	m	*	75.3
		157		N	3	500		4	4	74.	*	. 4	. 4	.5	5	
> 2000		0			77.4	77	78.5	8	78.	78.		60	00	100	0	80.7
≥ 1800		6			•	-			78.	78.	00	8	20	00	0	
- 1		-		1		78		C.	79.	79.	0	6	5	0	0	-
1200			74.2		19.6	79	80.7		80.7	80.	0	0	0	0	-	82.8
					-	0	5		•	82.	2		2 0	N C		
0 00		71.0	74.2	78.0	81.7	- K	(1) (1) (1) (1) (2) (3)	00 d	00 c	2 2	2 0	D 0	200	N W	0 0	0 2 4
					• •	2 8 2		88		88	10	100	0	120		87.1
000		72.0	75.3		93.9	63	85.0	86.0		85	.0	9	0	9	87.1	88.2
					5	88		87.1	-	87.	00	8	00			
1 400			76.3	81.7	0	8.5				88	6	6	5	6	0	01.4
				•		00	87.1		•	90		91.4	:	-	2.	93.6
7 200		72.0	•		2	20	7.			90.	-	91.4	-	-	95.5	
8		72.0		81.7	85.0	23	87.1		88.2	90.3	91.4	91.4	4.16	91.4	95.5	34.6
		•			3	ග				06	-	91.4	4.16	91.6		

13758 STATION

4543

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

200

NAVWEASERVCOM

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

CHARLESTON, SOUTH CARDLINA NWSED

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07 HOURS (1.5.T.)

MONTH

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CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5	٨١	۶۶ ۸۱	4	٨١	> 21/2	۸I	۷۱ ۱۲%	VI 7	<u>-</u>	۸I	₹	% AI	≥ 5/16	VΙ 	٨١
NO CEILING		34.4	38.7	0.64	44.1	1.44	45.2	46.2	46.2	46.2	46.2	46.2	40.2			2.94
N 20000		34.4	38.7	43.0	44.1	44.1		46.2	•	-		46.2	40.5	46.2	46.2	46.2
N 18000		34.4	38,7	43.0	44.1	44.1	45.2	46.2	46.2	46.2	46.2	46.2	40.5	46.2	46.2	46.2
N 16000		34.4	38.7	43.0	44.1	44.1		46.2		46.2	46.2	46.2		46.2	46.2	46.2
2 14000			38.7	0.64	44.1	44.1	45.2	46.2	46.2		46.2	46.2		46.2	46.2	46.2
≥ 12000		34.4	38.7	43.0	44.1	44.1	45.2	46.2	46.2	46.2		46.2	40.5	46.2	46.2	46.2
		34.4	38.7	43.0	44.1	44.1	45.2	46.2				46.2		46.2	46.2	46.2
> 0000		34.4	38.7	63.0	44.1	44.1	45.2	40.2	46.2	46.2	46.2	46.2		46.2	46.2	46.2
		44.1	49.5	53.8	54.8	. 47	95.9	57.0	57.0	57.0	57.0	57.0		57.0	57.0	57.0
> 7000		45.2	50.5	54.8	55.9	58.9	57.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
		•				5	57.0	58.1		58.1	58.1	58.1	58.1	58.1	58.1	58.1
2000		46.2	51.6	55.0	-		58.1	20	59.1	59.1	29.1	59.1		59.1	59.1	59.1
					57.0	-		59.1	59.1	59.1				59.1	59.1	59.1
V 4000			84.8	59.1	0	60.2	61.3	62.4	62.4	62.4		63.4	63.4	63.4	63.4	63.4
		52.7	58.	0	*	63.4	•	65.6			66.7	66.7	67.7	67.7	67.7	67.7
3000		58.0	61.3	66.7	67.7	1	68.8	6.69	6.69	6.69		71.0	72.0	72.0		72.0
		55.9	61.3	67.7	30		6.69	71.0	-	71.0	evi		73.1	73.1	73.1	73.1
> 2000			65.6	72.0	73.1	73.1	74.2	75.3	75.3	75.3	0			77.4		77.4
≥ 1800			65.6	72.0	73.1	73.1		180 100		75.3		76.3		77.4	77.4	77.4
		62.4	68.8	76.3	77.4	77.4	78.5	79.6	79.6	19.6	ċ	o	•	81.7	81.7	81.7
> 1200		•	6.69	77.4	78.5	78.3	•	80.7	0		•	-	82.8		82.8	82.8
V 1000		4.50	6.69	78.5	19.6	19.6	81.7	82.8	82.8	82.8		(2)	80.0	86.0	36.0	
006		62.4		78.5		•	81.7	82.8	82.8	82.8					36.0	
		•	•	78.5		19.6	81.7		85.58			83.9		86.0	86.0	0.08
		62.4		78.5			81.7	82.8	82.3	32.8	83.9	83.9			86.0	86.0
009		52.4	•	8	79.6	19.6	81.7	85.8	82.8	82.8	83.9	63.9		96.0	0.98	86.0
		62.4	6.69	81.7		82.8	85.0	86.0	86.0	0.98		87.1	89.0	60	89.3	00
400		62.4	6.69	81.7		~	85.0	86.0	86.0	86.0	87.1	87.1	89.3	89.3	86.3	89.3
		62.4	6669	82.8	83.9	3	0.08	87.1	87.1	87.1	88	88.2	80.3	90.3	90.3	6006
2 200		62.4	6.69	82.8	83.9	10	86.0	87.1	87.1	87.1		88.2	4.10	4.16	4.16	92.5
		62.4		83 ° €	83.9	83.9		-	87.1		88.2	00	-	91.4	91.4	93.6
٥		62.4	6.69	63			66.0	87.1	87.1	87.1		88.2	4.16	91.4	91.6	0.001

13758 STATION

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1234-18766

CEILING VERSUS VISIBILITY

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CEILING VERSUS VISIBILITY JAN 68 5703

CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CARDLINA NWSED 74-75

HOURS (LS.T.)

MONTH

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	.ES)						
(FEET)	5	۰ ۸۱	رم ۱۸	4	e vi	> 2%	7	VI 2/2	VI 2.	Ā	VI %	∦ ∧I	VI %	≥ 5/16	VI N	٨١
NO CEILING		37.6	41.9	1.44	45.2	4 to 0	53.0	24 R	45.2	46.2	46.2	46.2	46.2	5.94	46.2	46.2
7 18000			0	0	0	0	0	0	0	51.6	-	-	4	:	-	51.6
N 16000			46.2	48.4	0	50.5		50.5		51,6	-	51.6	51.6	51.6	51.6	51.6
2 14000			.0	4.84	0	50.5	0		0	51.6	51.6	-	51.6	51.6	51.6	51.6
≥ 12000		41.9	46.2	48.4	50.5	50.5	50.5	50.5	50.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6
N 10000		41.0	47.3	5 6 7	51.6		•	51.6	51.6	52.7	52.7	2.	5.	0	2	52.7
		43.0	48.4	50.5	52.7	52.7	52.7	52.7	52.7	-	3	53.8	53.00	53.8	53.8	53.8
N 8000		49.5	54.8	57.0		59.1	59.1	59.1	59.1	60.2	60.2		60.2	60.2	60.2	60.2
≥ 7000		50.5	55.9	58,1	60.2	60 2	60.2	60.2	60.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
0009 4				58.1	60.2	60.2	60.2	60.2	60.2	61.3	61.3	61.3		61.3	61.3	61.3
> 5000			55.9	58.1	60.2	00.2		60.2	60.2	61.3		61.3	61.3	61,3	61.3	61.3
		50.8	55.0	60		60.2		60.2		61.3	61.3		61.3		61.3	61.3
× 4000				59.1	61.3	61.3	6	61.3	61.3	62.4	2	62.4	62.4	63.4	63.4	63.4
> 3500			60.2			64.5		64.5		65.6		65.6		66.7	66.7	66.7
3000		60.2	65.6	67.7	6.69	66.69	6.69	66.69	66.69	71.0	-		72.0	73.1	73.1	73.1
> 2500		61.3	67.7	6.69			72.0			73.1	*			•		75.3
> 2000			68.8		75.3	75.3		75.3	75.3	76,3	76.3	76.3	77.4	78.5	78.5	700
V 1800			68.8	72.0				75.3		76.3		.0	1.	78.5	78.5	78.5
- 1		-	71.0	75.3	80.7		80.7	81.7	61.7	82.8			83.9	85.0		65.0
2 1200		63.4	72.0	76.3	81.7	82.8	85.8	83.9	83.9	85.0	85.0		0		87.1	87.1
1000		63.4	72.0	78.5	6.3	85.0	85.0	86.0	36.0	87.1		87.1	3			89.3
006 1		63.4	72.0	78.5		88.0	85.0	36.0	86.0	87.1	87.1		00	69.3	89.3	6.63
		63.4	72.0	60	83.9	85.0	85.0	86.0	86.0	88.2	38.8		3	90.3	90.3	80.3
		63.4	72.0	78.3	83.9	88.0	85.0	85.0	86.0	88.2	88.2	œ		0	8.06	90.3
009 <		63.4	72.0	78.5	83.9	85.0	35.0	86.0	86.0	88.2	88.2	88.2	0	90.3	90.3	90.3
2 200		63.4	74.2	80.7	86.0	87.1	87.1	88.2	88.2	90.3	90.3	90.3	N	93.6	93.6	93.6
7 400		63.4	74.2	80.7	86.0	87.1	Birt	88.2	88.2	90.3	90+3	90.3	92.5	93.6	93.6	93.6
		63.4	74.2	80.7	86.0	87.1	87.1	88.2	88.2	90.3	90.3	900	93.6	*	94.6	94.6
> 200		63.4	74.2	80.7	0.00	87.1	87.1	88.2	88.2	90.3	4.10	91.4	7	96.3	96.8	96.8
8		63.4	74.2	80.7	86.0	87.1	87.1			90.3		91.4	42.1	800	8.96	96.8
		63.4	74.2	80.7	86.0	37.1	87.1	88.2	88.2	90.3	416	91.4	1.66		8.96	0000

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NAVWEASERVCOM

TOTAL NUMBER OF OBSERVATIONS

13758 STATION

1 3 HOURS (1 S T)

CEILING VERSUS VISIBILITY

	YEARS	OCCURRENCE	ATIONS)
74-76		JENCY OF	Y OBSERV,
CHARLESTON, SOUTH CAROLINA NWSED 74-76	STATION NAME	PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)
CHARLESTON			

CEILING							VISI	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5	۵ ۸۱	\$ 41	4	N AI	> 21/2	7	V1 72	71	- 1	% Al	₹ ∧I	۸۱ ۲	2 5/16	VI 34	٥
NO CEILING					6	0	0	6	0	6	6	0		0.	65	
≥ 20000		49.5		54.	55.0	55.9	55.9	55.9	55.9	55.9		5		3	55.9	55.9
× 18000					5	1000		wh	30		5	5.		55.9	55.	
> 16000				34.	55.9	55.0	55.9	55.9	55.9	3		5		5	S	5
7 14000		49.5	54.8	54.8	55.9	55.0		Chic	5	55.9	55.9	55.9	55.9	55.9	55.	
≥ 12000				54.8	30	5	55.6	55.9	55.9	10	3	5			55.	5
N 10000				54.8	55.9	58.9	55.9	5	5	5		5		3	150	55.0
0006 ~			84.8	54.8	55.9	5	55.9	58.0	55.9	55.9	5	2.		5.	55.	55.9
					64.5	64.5	* +					4		64.5	64.	
7000		000		64.8	65.6	65.6		65.6	65.6		10		9.69	65.6	65.	65.6
1		58.1	64.5			50				80	65.6	65.6	5		65.	
> 2000				64.8		65.6	65.6	5	65.6	9.59			•	10	65.	65.6
								157		5	5		5	5	.59	5
4000				66.7	67.7	67.7	-	67.7	67.7	67.7		7	67.7	67.7		67.7
1		62.4		6 69						-	-				71.	-
3000		64.5	73.1	74.2	5	75.3	5	75.3	75.3	10	10	5	73.3	5		75.3
		67.7			0	0	6		6	6	0	6	0		16.	
7 2000		67.7		78.5	81.7	61.7	81.7	81.7	81.7	-	:	-	-			
		67.7		100		81.7	-		81.7	-	81.7	-		81.7	91.	-
1500		71.0			85.0		87.1				1.	1.	-	-	6 0	
					9	0		88.2		00	63	00		00	88.	
0001		71.0			87.1	87.1		90.3	60.3		-	-	•	.:	91.	91.4
						-	89.3	0		-	-	:	•	91.4	91.4	91.4
80		72.0	01.7	63.9	88.2	88.2	90.3	91.4	91.4	92.5		92.5	65.26	92.5	92.5	92.5
		73.1			89.3		-	-	92.5	00		3		93.6	93.6	
8		73.1		85.0	89.3	89.3	91.4	92.5			19	3	93.6	93.6	93.6	93.6
				0.08	60.3	90.3	92.5		93.6		9.46	*	94.6	94.6	94.6	
14				86.0	4.16	91.4			94.6	95.7	95.7	95.7	45.7	95.7	95.7	95.7
		73.1	85.8	36.0	97.6	91.4	93.6	95.7	95.7	6.16	6.76	-		98.9	98.9	68.8
7 200		73.1		86.0	91.4	91.4	93.6	95.7	98.7		6.16		0	100.0	100	100.0
		73.1	82.8	86.0	91.4	4.16		98.7	95.7	6.46	6.16	4.9	100.001	0	100.0	.00
٥		73.1		86.0	91.4	91.4	93.6	7.56	98.7	-	6.16		0000	100.0	100.	100.0

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13758 STATION

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

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The state of

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SUUTH CARDLINA NWSED 74-75

1 C 1 S 1) SWOON

MONTH

						VIS	IBILITY (ST.	ATUTE MIL	ES)						
5	٨١	\$5 A1	VI	e Al	≥ 2%	7	VI 2/2	AI	- AI	% AI	*	Z Al	≥ 5/16	74	٨١
	46.2		47.3	48.4		30		00	200	20	00		80	4.8.4	48.4
	57.0		58	99.1		0		0	0	0	6		0	29.1	
	37.0		58.1	59.1	59.1		59.1	59.1		0				59.1	
	57.0		58.	59.1	59.1		50.	59.1	2000	5					59.1
	57.0		58.1	59.1	59.1		59.1	59.1		6					
			58.1	6.6	59.1	59.1	59	59.1		6		59.1			1.65
	0		60.2	61,3	61.3	61.3	61.3	61.3	-	61.3	-		-	61.3	
			60.2	61.3	61.3	61.3	61.3	61.3	-	61.3	-	61.3	-	61.3	61.3
	1		6.69		71.0	-	71.0				-		*	•	
		-	71.0		72.0	2			72.0			2	N		73.1
	80 50 50 50	-	71.0			2		2	2			2	2	563	73.1
	8 8 9	-				2		2	N			2	2	143	73.1
	6 69	N				3		100	60	70	=	3	50	•	
		73.1				*		*	*	4	4	. 4	*	•	75.3
	71.0	3		74.		4		4	. 4	4	4	*	4	10	
	74.2	0		78.		3		80	0	00	8	33	80	6	79.6
	74.2	9		79.	0	0		6	6	0	6	6	0	0	80.7
	77.6	0	81.7	83.	10	20		3	50		6	6	1	167	85.0
	77.4	0		83.	[17]	10	100	50		103	3	7	6	100	85.0
	78.5	0	•			-	-	-			-	-	-	8	88.2
	78.5	3	85.0	8	8	00		8		00	œ	30	0	5	6
	7.00		66.0	.0	0	-		-		-	-		-	2.	92.5
		0	86.0	0	0	-	91.4	-		-		91.4		2	2
	79.6		87.1	91.4	00	5	95.7			5				. 9	96.8
	79.6	tr s	67.1	91.4	20	5	95.7		7.86	5	5			.0	96.8
	79.6	10	87.1	41.6	(77)	0				.9	÷		.0	-	97.9
	79.6	5	87.1	91.4	m		•			-	-		1		98.9
	79.6		7.	91.4	100	-				-	-		-	20	98.9
	79.6	100	67.1	4.16	191	20		30	60	100	00		6.8	0.00	
	79.6	85.0	87.1	4.10		00			00		8		9.	0000	0
	79.6	85.0	87.1	4.16	55	00		93	8	00	8		6.8	0.00	0
	79.6	85.0	87.1	41.4	93.6		686		00	03	8		00	00.00	
	2 1		VI	74	Y	26 25 24 3 47 3 46 4 48 57 0 58 1 58 1 59 1 59 57 0 58 1 58 1 59 1 59 1 59 57 0 58 1 58 1 59 1 59 1 59 57 0 58 1 58 1 59 1 59 1 59 57 0 58 1 58 1 59 1 59 1 59 1 59 1 59 1 59 1	20 25 24 23 47 3 48 4 48 4 48 4 48 4 48 4 48 4 48	20 25 24 23 47 3 48 4 48 4 48 4 48 4 48 4 48 4 48	20 25 24 23 47 3 48 4 48 4 48 4 48 4 48 4 48 4 48	46.2 47.3 47.3 48.4 48.4 48.4 48.4 48.4 48.4 48.4 48	2. 2.5 2.4 2.3 47.3 46.4 48.4 48.4 48.4 48.4 48.4 48.4 48.4	2 6 2 5 2 4 2 3 2 2 8 2 1	Yes a control of the	\$\$\text{\$\	2 6 2 5 2 4 2 3 2 2 2 1 5 2 1 5 2 1 5 2 5

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CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE CHARLESTON, SOUTH CAROLINA NWSED

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(FROM HOURLY OBSERVATIONS)

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87.1 87.1 87.1 87.1 ۸١ 86.0 0.98 71.0 72.0 72.0 82.8 86.0 86.0 8006 75.3 72.0 77.4 85.8 61.3 62.4 91.4 5.16 60.2 ٨١ 71.0 86.0 89.3 72.0 75.3 77.4 0.98 89.3 72.0 85.0 8008 4.16 72.0 91.4 5000 50.2 60.2 61.3 73.1 82.8 82.8 86.0 2.09 5/16 AI 71.0 72.0 91.4 72.0 75.3 77.4 86.0 86.0 86.0 86.0 60.2 62.4 72.0 85.8 85.8 89.3 90.3 73.1 8.6 4.16 60.2 71.0 75.3 5009 77.4 86.0 89.3 90.3 72.0 89.3 61,3 82.8 86.0 86.0 86.0 60.2 72.0 72.0 85.8 ٨١ 71.0 86.0 72.0 77.4 86.0 86.0 61.3 82.8 5.16 72.0 72.0 73.1 75.3 89.3 60.2 82.8 60.2 60.2 % ۸۱ 60.2 61.3 2.09 60.2 72.0 78.3 89.3 71.0 77.4 77.4 85.0 85.0 86.0 85.0 85.0 86.0 89.3 91.4 60.2 72.0 85.8 86.0 90.3 73.1 81.7 82.8 ۸۱ VISIBILITY (STATUTE MILES) 71.0 72.0 91.4 91.4 61.3 88.2 88.2 72.0 73.1 85.0 88.2 606 75.3 60.2 81.7 60.2 77.4 81.7 62.4 71.0 72.0 72.0 72.0 85.0 80.06 61.3 73.1 88.2 60.2 89.3 5.09 81.7 60.2 60.2 71.0 72.0 72.0 77.4 85.0 81.7 91.4 73.1 75.3 81.7 0.58 85.0 85.0 50.2 61.3 72.0 85.0 88.2 6.06 60.2 89.3 62.4 88.2 60.2 60.2 85.0 77.4 85.0 00 00 72.0 73.1 85.0 88.2 90.3 01.3 71.0 8006 60.2 00.5 60.2 81,7 81. 91.7 81. 21/2 AI 77.4 85.0 75.3 85.0 71.0 72.0 72.0 72.0 73.1 61.3 62.4 85.0 85.0 88.2 90.3 60.2 88.2 86.3 6.06 60.2 ۸I 19.6 73.1 0.08 0.08 6.00 9.62 81.7 82.8 85.0 65.0 68.8 69.9 30.1 81.7 58.1 81.7 81.7 60.2 5.0 ۸۱ 58.1 57.0 6.69 57.0 68.8 78.5 57.0 74.2 68.8 78.5 80.7 80.7 8.3 63.9 80.7 35 83.8 59.1 67.7 80.7 300 69.9 72.0 ۸١ 73.1 54.8 57.0 6.8.0 66.7 66.7 66.7 67.7 74.2 74,2 74.2 75.3 78.3 76.3 74.2 73.1 ٨I 2 NO CEILING 2 20000 V 18000 V 16000 2500 80 (FEET) 14000 9000 8000 5000 4500 3500 200 1800 900 800 500 300 11 11 ۱۸۱۸ A1 A1 ۱۸ ۱۸ ALAI ALAI 11 11 ALA ALAI AI AI AI AI AI AI ALAI

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

13753 STATION

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CEILING VERSUS VISIBILITY JAN 68

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CEILING VERSUS VISIBILITY

1 5. A.

YEARS PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CARDLINA NWSED

22 HOURS (LST.)

88.0 6.69 74.2 85.0 6.69 6.69 85.0 86.0 91.4 74.2 0.58 85.0 88.2 91.4 0.58 85.0 88.2 4.16 8.89 6.69 6.69 82.8 4.16 4.20 6.69 ٨١ 82.8 85.0 68.8 73.1 92.5 6.69 85.0 00 00 00 00 00 00 91.4 85.0 62.4 6.69 6.69 6.69 64.5 5/16 0.48 69.9 69.9 69.9 85.0 85.0 86.0 6.69 6.69 74.2 85.0 4.16 63.4 68.8 82.8 88.2 88.2 41.6 91.4 64.5 65.4 73.1 ۸١ 85.0 85.0 85.0 62.4 6.69 74.2 85.0 91.4 68.8 6.69 73.1 85.0 91.4 62.4 63.4 85.8 86.0 86.0 88.2 91.4 92.5 62.4 88.2 62.4 ۸۱ 85.0 4.16 91.4 62.4 73.1 74.2 85.0 91.4 68.8 85.0 4.79 62.4 63.4 6.69 88.2 92.5 88.2 64.5 6.69 85.8 ٨١ 0.88 0.58 91.6 62.4 6.69 63.4 68.8 85.0 91.4 62.4 64.5 6.69 6.69 0.88 86.0 6.69 6.69 62.4 62.4 88.2 73.1 82.8 88.2 4.16 92.5 74.2 74.2 74.2 ۱۸ VISIBILITY (STATUTE MILES) 85.0 85.0 6.69 86.0 6.69 73.1 65.3 85.0 91.4 91.4 68.8 6.69 88.2 92.5 62.4 62.4 62.4 82.8 82.8 88.2 91.6 4.69 ۸۱ 85.0 4. 59 85.0 88.2 91.4 4.16 92.5 4.29 6.69 0.08 88.2 60.00 6.69 6.69 85.0 4.29 6.69 6.69 73.1 91.4 4.20 64.5 61.3 ۸۱ 86.0 85.0 0.58 65.8 62.4 74.2 41.6 916 6.69 73.1 82.8 85.0 88.2 88.2 91.4 62.4 4.69 65.0 68.8 6.69 6.69 62.4 ۸۱ 6.69 85.0 62.4 73.1 63.0 63 9 83.9 89 3 4.60 6 69 6.69 6.69 74.2 83.9 67.1 89.3 89.3 62.4 64.5 68.8 67.1 6.69 83.9 4.29 83.9 68.8 85.0 63.4 6.69 6.69 6.69 6.69 74.2 83.9 63.9 87.1 37.1 89.3 89.3 80.0 62.4 73.1 81.7 ر ۱۸ 74.2 83.9 83 9 62.4 68.8 6.69 0.88 73.1 83 8 83 9 89.3 4.29 4.89 64.5 6.69 87.1 69.3 62.4 ۸۱ 72.0 0.64 62.4 6.69 31.7 86.0 01.7 60 36.0 86.0 71.0 63.4 66.69 6.69 6.69 81.7 82.8 83.9 9.20 000 86.0 67.7 68.8 75.3 78.5 6 6 6 79.6 19.6 77.4 79.6 19.6 61.3 4.29 66.7 67.7 67.7 79.6 11 NO CEILING (FEET) V 18000 V 16000 ≥ 20000 Y 14000 0000 5000 4500 3500 2500 1200 500 2000 1500 800 700 800

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TOTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED

56.9 57.3 86.4 88.8 85.6 86.0 77.7 82.1 83 • 1 88.6 71.8 6.06 66.5 79.2 84.7 2.06 52.0 91.0 52.0 64.5 64.8 65.9 66.1 66.7 66.9 8.69 66.1 7 555 B 71.4 0.88 57.3 66.3 77.3 84.3 8006 81.7 88.2 9006 6.50 4.69 78.8 85.2 55.8 81.7 90.1 92.3 56.7 5/16 ٨١ 55.8 81.6 57.3 78.0 2.06 56.7 71.2 55.8 64.5 69.69 81.6 87.9 55.8 60.00 66.3 77.2 0.88 89.9 2.26 6.26 65.7 69.2 84.1 85.1 80.06 55.0 ٨١ 66.3 66.3 6 87.6 55,8 84.8 57.3 78.4 81.3 71.1 55.8 55.8 55.8 6.59 6.91 81.3 83.9 87.5 89.8 89.8 69.5 56.7 56.7 64.5 68.8 90.1 91.7 92.3 * ۸۱ 64.5 71.1 83.9 87.5 69.5 8.68 65.9 6.59 69.2 78.4 52.00 84.8 70.7 71.0 64.3 62.9 87.4 55.8 2.48 4.08 66.68 66.0 66.0 66.3 76.3 76.3 76.8 7.68 0.68 81.2 78.2 81.2 6.59 83.7 87.5 56.5 56.7 ۸۱ VISIBILITY (STATUTE MILES) 57.0 65.6 83.3 86.8 58.5 80.8 88.7 89.3 55.5 55.5 64.3 65.6 77.8 30.8 84.3 87.0 87.0 20.06 91.1 \<u>'</u> 70.7 77.8 80.8 64.3 80.8 0.08 83.3 84.3 50.5 9.59 9.59 89.3 11/2 55.2 2.99 68.6 70.4 77.6 1.99 74.4 76.1 79.8 80.5 80.5 83.9 86.3 38.5 P 8 8 8 86.38 0.49 65.3 56.7 65,3 65,7 0.50 7 68.0 6 69 54.00 63.6 63.0 64.5 65.7 65.7 54.8 55.3 24.8 56.3 64.9 6.49 86.7 86.8 61.9 50 21/2 ٨١ 6.49 6.69 68.0 15.4 79.8 82.0 86.0 34.8 16.9 85.0 9.69 55.8 6.49 85.0 54.8 86.4 54.8 56.3 68.7 78.0 78.0 74.2 4.87 66.8 50.00 100 CO 82.9 84.4 53.6 53.6 63.7 82.1 83,2 55.1 70.7 34.0 62.4 63.7 ٨١ 53.1 63.1 75.4 77.4 53.6 2.29 71.9 7,00 75.4 79.3 52.2 62.2 76.9 78.5 79.3 79.8 52.2 57.5 60.9 52.2 52.2 52.2 66.8 78.5 0.64 9.64 9.00 59.3 62.9 200 61.6 60.0 6.69 71.9 72.6 72.6 9006 72.6 71.1 71.2 ٨١ 0 ٨١ CEILING CEILING (FEET) 18000 14000 9000 8000 4500 3500 1800 ≥ 20000 5000 2500 1200 800 200 500

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OTAL NUMBER OF OBSERVATIONS

0.56

6.46

91.6

84.5

29.8

72.7

300

MINI

80

ALA

13758 STATION

CEILING VERSUS VISIBILITY

MONTH

CHARLESTON, SDUTH CARDLINA NWSED 73-75

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(EET)	2	٨١	\$ AI	AI AI	۸۱	≥ 21/2	7 1	VI 2/2	VI VI	- -	VI %	≯ *	72	≥ 5/16	VI %	٨١
ZOOOO		62.	64.0	64.0	0.40	6.00	65.5	65.5	65.5	70.8	65.5	70.8	65.5	70.8	65.5	70.8
18000		100 M		0.00	00	0.0	70.8	000	00							70.8
14000		100	5.00	6 69				70.8						•		70.8
9000		000					71.7	7.17	711.7							71.7
8000		40	80.5	80 8		000	4.00	82.3	32.4	81.4	32.0	82. 4.58	81.4	81.4	81.4	81.4
9000		75.2	4 4	81.4	4.4 0.00	2 S	250	82.3	82.3	82.00	82.3	82.3	82.38	82.3	82.3	82.9
4500			4.58	82.4	81.4	3 4		SD SD CV SV	No	n'm		828	82.3			
3000			3 5	4 50	84. 85.		85.0	885.0	10 0	m -0	10 0	50	85.0			85.0
2500		9.77	2 2 2 2 2 2 2 2 2 2 2 2	8 8 8 8 8 4 4 8 8 4 4 8 8 8 4 4 4 8 8 8 4 4 4 8 8 8 4 4 4 8	\$ 60 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	988.9	988 909 909 909	98.5	88 90 80 80 80 80	90.3	90.3	90.3	88 90 90 80 80 80 80 80 80 80 80 80 80 80 80 80	90.3	90.3
1200			000	920			000	0000		mm	mma			000	mm	0000
0008		2 KN KN	# m m	920	22.00	92.9	94.7	94.7	94.7	945.0		9 4 50	94.0	7 4 10	94.7	94.7
900		NN	90.3	92.9	96.5	93 B	95.6	98.6							95.6	
500 400		8 8 8 8 8 8	90.3	000	97.4	4 7 6	99.1	99.1	99.1	99.1	99.1	99.1	99.1		99.1	99.1
300		50 50 50 50	900	93.8	4.70	97.4	1.66	99.1	99.1	99.1	99.1	99.1	00.00	100.00	99.1	99.1
80		62.3	90.3	8 8 8 8 8 8 8	97.4	97.4	99.1	99.1	99.11	100.001	100.001	10.00	00.00	100.001	00.00	00000

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TOTAL NUMBER OF OBSERVATIONS

1 1 2

CEILING VERSUS VISIBILITY

THE REAL PROPERTY.

CHARLESTON, SOUTH CAROLINA NWSED 73-76

04 HOURS (1 S T.) MONTH H

2000

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	۰ ۸۱	N AI	4	٨١	> 21/2	7 1	71	AI AI	~	VI %	* 1	Z AI	≥ 5/16	VI %	٨١
NO CEILING		9.48	50.6	500.2	62.0	62.0	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
> 18000		00		4	0	0				-	-			-	-	
2 16000		100		64.6	4.99	4 99	-	-		-		-	-	-	-	67.3
		•		4		0				-	-			-	-	
> 12000				9.49	4.99	4.99	67.3	67.3		-		7	-	67.3		
> 10000			-	w,				922		ec		8		80	8	8
0006 1		50.3	~	65.5	67.3			68.1	00	90	00	8	223	.	00	8
		0.69	~			77.9	78.8			78.8				78.8	8	78.8
> 7000			~	76.1	77.9		02			40	60	a	00	œ	8	80
1			~					00	00	€ED	78.8		78.8	78.8	78.8	78.8
> 2000			03		77.9	77.9	00	003		00	03	8		0	8	00
			-			18	0	or.	0	0	0	6	0	6	0	6
1 4000		6.69		77.9	0	79.7	80.5	80.5		80.5	.0	0	0		0	
		70.8	-			-	~	o.	ev	0	~	2.	~	2.	~	82.3
3000				80.3		82.3	2.5	en.	83.2	100	5	10	•	0	4	3.
			500	(T)			85.8		85.8			12		5	5	120
> 2000		74.3		S 80		87.6	00	00		60	00	00	00	00	8	88.5
					87.6		100 100 101	00		•	8	00	æ	00	00	
> 1500		77.9	*	83 50		91.2			92.0	2	2	2	5	2	2	
					91.2			N	92.0	N	N	2		5	3	92.0
> 1000		77.9	85.0	0		91.8	92.0				N	2	2	01	å	2
				8 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			92.0	14			N	2.	8		N	
008 1		6.77	0.50		91.2	Di Di		N	92.0	•	N	N		evi.	2	2
				0		-	93.8	en		100	10	50	5	603		93.8
009		77.9	85.8	91.2	93.6	10	96.5	96.5	96.5	•		9		97.4		97.4
					5	50	96.5	.0		9			-			97.4
400		77.9		91.2	5	98.0	96.5			96.5	0	0		97.4	4.16	97.4
				91.2		3	96.5	•	96.5	•		96.5		4.66	97.4	97.4
200		77.9	85.8	91.2	99.6	95.6	6.96	96.5		4.16	4.16	-	98.2	98.2	98.2	98.2
		40		91.2	92.6	•	96.5	0		4.26	4.16	4.66	96.2	98.2	98.2	99.1
0		77.0	85.8	91.2	5	95.6	5.96	8.96	96.5	-	4.16	-	*	98.2		100.0

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TOTAL NUMBER OF OBSERVATIONS

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11 11 11

CEILING VERSUS VISIBILITY

THE THE WALL SERVE AND THE WALL

CHARLESTON, SOUTH CAROLINA NWSED 73-75

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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-	- 2
0	10
	20
	I

MONTH

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	.ES)						
(FEET)	71	AI	11	4	8 1	≥ 2%	7	٧١ % د	VI 2/1	71	۸۱ ۲۵	% AI	7, 11	≥ 5/16	VI N	٨١
NO CEILING		36.03	200	44.00	0 K	53.1	56.6	56.6	56.6	57.55	57.5	57.5	58.4	4 10	59.3	60.2
> 18000			-	52.	10	20	10	2	10	2	2	62.	173	55)	4	5
2 16000		40.7		52		80				2	2	62.		en.	*	65.5
			-	50	0	0	2	0.0		10	100	63.	*		5	
≥ 12000				54.		0				4		64.	5	187	.0	
				54.	0	N	in	10		0	.0	.99	7.	-	-	0
0006 1		42.3		34		0				9	.0	.99	1		00	0.69
				.09		-	0	0		-	-	71.	2		-	* 5
× 7000		46.0		.09	64.6	-		0	70.8	-	-	71.		-	m	74.3
		46.0			*		0					71.	2	0	19	
> 2000		46.9		61.	65.5	00	-	-	711.7	~	13	72.	3	100	*	75.2
		46.9		62.		0	2	N	N	m	(1)	73.	*	*	5	76.
× 4000		47.8		0		0	74.3	4		50	10	75.	0	9	-	77.
> 3500		9.64		0	6.69	N		.0	76.1	-	7.	77.	-		00	79.
≥ 3000		51.3		67.		*	1.	7.		00	00	78.	0	0	0	81.4
> 2500		52.2		69		0	0	0	•	0	.0	80.	-			6.8
≥ 2000		54.9		711.		0	14	m		. 57	*	84.	5	5	100	86.
		54.9		71.	.0	0	3	177)		4	4	94.	0	10	10	
> 1500		57.5		74.	0	50		0	86.7	-	1	87.	00	80	0	.06
		57.5		74.	79.7	279	.0	9			-	87.	00	8	6	
1000		58.4		75.	80.5	77		-	87.6	80	03	88.	89.4	0	0	91.2
006 ~1		120 mg		75.		*	1.			8	8	88	ON	0		-
		58.4		7.5		3	60	00		0		89.	0	ċ	-	92.
		38.4		78.		W.	00	٠ وي	88.5	0	0	89.	0	0		
009			58.	0	2.	-	-	-	-	2	2	92.	04	0	10	94.
		58.4	68.1		4	00		00			0	92.	93.8	(K)	*	
400		58.4	68.1		85.0	0	N	0	92.9	10	10	63			5	96
			68.1		65.0	0	ev				50	93.	2. 46	. 4		97.
> 200		58.4	68.1	77.0		0		0	92.9	93.8	*	040	95.6		-	000
801		58.4	58.1	77.0	85.0	4.68	2	e (NJ	92.9	93.8	7. 46	24.7	99.66	93.6	97.4	66
			58.1	77.0	-	0	2	174	2	60)			2		-	

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TOTAL NUMBER OF OBSERVATIONS

1234-18766

32	×	0	1 5 1
-	MOHTH	1	HOURS
			x

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CEILING																
(FEET)	5	۸۱	ار ده	4	VI 60	> 21/2	7 1	۷۱ کا مرد ۱۲	VI 	, vi	VI %	अ ^ह ∧।	VI %	≥ 5/16	VI %	٨١
NO CEILING				52.2	*	4	54.0		54.0			54.0				54.
> 20000		38.0	47.8		50.3	200	6	59.3	89.3	59.3	56.3	0		59,3	59.3	59.
≥ 18000		00	47.8	57.	60.2	60.2	60.2	60.2	60.2	•	0	60.2	60.2	ċ		.09
≥ 16000		38	47.8	57.0		5.00		60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.
≥ 14000		30 30	48.7	58.4			61.1	61.1				,				61.
≥ 12000		0	9.67	50 3	62.0	62.0		62.0		62.0	62.0	62.0	62.0	62.0	62.0	62.
Z 10000			49.6	50		62.0				0		62.		62.0		
0006		66		0.	62.0	62.0		62.0		62.0	62,0	62.0	62.0	62.0	62.0	62.0
		051	54.0	63.7						9		999	4.99			
2 7000		43.4	•	0.49	67.3	67.3	67.3	-	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.
1			84.9	64.6		67.3					-	67,3	67.3	67.3		
2000					67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3		67.3	67.3	67.3
		5			6		0.69	0		0	6	0		6		6
4000		8.7.8	59.3	0.69		71.7		71.7	711.7	711.7	711.7		-	71.7	-	711.7
		30.4		71.7	75.2	75.2				76.1	76.1	76.1	70.1	0		76.
3000		(0)	65.5	78.3	00	78.8	79.7	79.7	79.7	6		6	79.7			19.
> 2500				7. 80	~	62.3		60	83.2	83.2		83.2	83.2	3	33.2	63
> 2000		10	6.69	000	85.8	8	86.7		86.7		0	86.	86.7	0	86.7	86.
		100		0			86.7		86.7	36.7	9		86.7			
> 1500		10	70.8	500	87.6	87.6	88.5		80	0		00			88.5	88
		56.6		63.	68.5	යා වෙ ව	39.4	4.00		4.68	0	7.68	4.68	0		. 69
> 1000		\$ 000 100	503	0.83	90.3	90.3	91.2	91.2	91.2	91.2			91.2		91.2	91.
			73.5	0.88	90.3					91.2	-		91.2		-	91.
800			13.5	0 kg	91.2	91.2		92.0		N		92.0	95.0	92.0		92.
				0.58					92.0			92.0	92.0	2		92.
000		58.4	76.1	88.5	94.7					96.5	96.5		6.06	96.5	96.5	
		58.4	76.1	88	2.50	95.6	96.5	4.16	4.7.		4. 6	4.16	4.16	97.4	97.4	67.
VI 400		300	70.1	00 00 00 00	95.6	96.5	97.4	98.2	98.2						98.2	98
			76.1	88.3	9.50	96.5	97.4	98.2	98.2	98.2		98.2	30	98.2	98.2	98.
> 200		58.4	76.1	88.8	92.6	36.5	97.4	98.2	98.2				502	98.2	1000	00
801		58.4	76.1	600	5	•	4.16	98.2	38.8	98.2	98.2	98.2	98.2	8.2	100.0	100
				100												

and the second second second

TOTAL NUMBER OF OBSERVATIONS

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	01 71	۰ ۸۱	55 Al	4	es Al	> 2%	N N	۷۱ ۱۲۵	VI 71	- AI	ΛI	⋊ * ∧I	7. Al	≥ 5/16	۷I	٥
NO CEILING		9 60	51.3	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
V 18000		0	200	es e	68.1			9	68.1	00 0		68.1				68.1
		2000	50.50	689	000		68.1	000	000	8 9 9	200	689	688.1	800	999	686
		0 0 0 0 0 0	0.89.1		70.8		70.00	70.8	70.8	70.00		00	70.8	000	70.8	70.00
2 8000		- 0	73.5	76.07	76.1	76.1			76.1			76.1	70.1		76.1	76.1
2000		00	76.1	7.9 8	78.87	200	78.8				78.8	78.8	78.87		78.8	78.8
V 4500 4000			76.1	82 83	78.8	78.8	8 68	82 8	78.8	82.8	78.8	78.8	82.9	78.8	78.8	78.8
3000		71.7		84.1	40	84.1	4 50	J 10		4 10		ထာ ထာ	34.1	85.0		84.1
Y 2500		m in i	m m 1		89.4	87 89 89 4	89.4	-0	87.6	-0		90.		90.3	90.3	90.3
		76.1	0 00 00 0 00 00 0 00 00	90000	4.00	4 60 6	4 6 6 6	4 6 6	4 6 6 6	90.3	90.3	90.00	91.2	0.00	90.3	91.2
		76.1	26.7		91.2	NN			91.2	92.0		NN	NN		NN	92.0
00 000		76.1	De 15- 10-					00 00 0		4000		93.00	93.80	9999	93.8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
		76.1	3 8 6 7 7 6 6 7 7 7 6 6 7 7 6 6 7 7 7 6 6 7 7 7 8 6 7 7 7 8 6 7 7 8 6 7 7 8 6 7 7 8 7 8			100	9 9 9 9	96.5	900	907.4	97.4		98.2	97.4	97.4	00
300		76.1	36.7	91.2	92.9	94.7	96.5	4.70	97.4	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.66	99.1	99.1	99.1	99.1	0.001
80		76.1	86.7	91.2	92.9	94.7	96.0	4.7.0	97.6	98.2	99.1	99.1	99.1	99.1	1.66	0.001

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TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED

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VISIBILITY (STATUTE MILES)

3

91.2 91.2 68.1 91.2 70.8 77.0 79.7 0.58 88.5 88.5 93.8 93.8 93.8 98.6 95.6 95.6 95.6 96.5 96.5 96.5 96.5 68.1 79.7 6.96 70.8 35.8 7.96 7.49 79.7 ۸۱ 10.7 79.7 85.0 70.8 96.5 10.7 81.4 81.4 85.8 83.2 68.1 ≥ 5/16 70.8 90.96 77.0 91.2 1.46 7.67 5116 79.7 83.2 83.2 85.0 4.09 8.02 85.8 96.5 96.5 68.1 68.1 79.7 ۸Ι 70.8 85.8 91,2 68.1 70.8 77.0 19.7 36.5 4.99 79.7 79.7 88.5 91.2 98.6 98.6 96.5 68.1 79.7 79.7 93.8 93.8 93.8 24.7 66.5 ٨١ 97.4 97.4 9 95.6 68.1 68.1 68.1 70.8 91.2 91.2 91.2 7.46 7.46 5.96 96.5 96.5 96.5 96.5 77.0 77.0 77.0 81.4 95.6 95.6 4.99 68.1 96.5 ٧ ٧ 79.7 79.7 95.6 95.6 81.4 81.4 96.5 96.5 70.8 70.8 79.7 96.5 08.1 ۸١ 00 00 00 00 93.8 4.09 70.8 79.7 9.56 96.5 4.10 24.0 VI 7.1 95.6 9.56 68.1 77.0 88.5 91.2 94.7 85.0 65.0 85.0 85.0 79.7 81.4 85.8 96.5 66.4 66.4 66.4 70.8 79.7 79.7 91.2 68.1 4.09 11/2 ۸۱ 95.6 96.5 9 70.8 77.0 91.2 91.2 9.65 91.4 94.7 95.6 98.6 97.4 79.7 21.6 98.6 96.5 9.99 70.8 79.7 68.1 93,8 93.8 ۸۱ 31.4 81.4 70.8 7.67 93.8 4.99 68.1 77.0 16.5 91.2 68,1 1.46 92.9 93.8 95.6 72.6 83.2 85.0 85.0 72.6 83.2 85.8 85.8 94.7 68.1 93.6 70.8 7.67 7.07 79.7 91.2 24.0 90.3 91.2 95.6 4.09 60.4 66.4 70.8 77.0 7.46 8.86 79.7 68.1 ٨١ 68.1 0.77 606 93.8 79.7 79.7 78.8 81.4 83.2 66.4 68.1 94.7 \$5.5 66.4 70.8 ۸١ 0.69 37.6 89.4 0.69 4.09 6.11 77.9 77.9 89.4 2.16 69.9 80.5 77.9 90.3 77.9 90.3 91.2 75.2 76.1 87.0 ٨١ 59.3 0.69 6.69 76.1 38.8 78.8 \$6.4 0.69 0.69 78.3 ٨١ 2 ٨١ NO CEILING VI VI 18000 16000 (FEET) ≥ 20000 Y 14000 10000 8000 5000 4500 3500 2500 1800 200 800 200 500 300

AI AI

۱۸ ۱۸ AI AI AI AI ۱۸۱۸ ١٨١٨ ٨١٨١

with the second second second second

CEILING VERSUS VISIBILITY JAN 68

TOTAL NUMBER OF OBSERVATIONS

1.66

99.1

95.6

80

ALAI

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UUU

98.6

99.66 96.5 96.5

91.2 93.8

88.5 85.8

T. B. 13.

4543

CEILING VERSUS VISIBILITY 5703 **JAN 68**

74.3

74.3

74.3

74.3 74.3

74.3

74.3

74.3

74.3

76.1

76.1

76.1

74.3

74.3

74.3

74.3 74.3 76.1 79.7

76.1

76.1

77.0

77.0

77.0

79.7 79.7

79.7 79.7 79.7 79.7

81.4 85.8

* · ·

81.4 81.4

79.7

76.1

72.6

4500 3500 2500 1800

AI AI AI AI

77.0 77.0

77.0

77.0

77.0

76.1 79.7 61.4

74.3

74.3

76.1 77.0

72.6 100 4.66

68.5 65.5

76.1 79.7

63.7 63.7

63.7 63.7 63.7 63.7

63.7

62.8

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63.7 63.7

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63.7 63.7 6 63.7 63.7 6

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7 14000

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10000

A1 A1

8000 5000

A1 A1 AI AI

58.4

66.4 65.4

4.99

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4.99 74.3

63.7

4.00 4.09

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4 66.4

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73.5 74.3

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73.5 74.3 74.3 76.1 79.7

73.5

66.69

70.8 70.8

74.3

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84.1 84.1

84.1

84.1

84.1

81.4 81.4

81.4

81.4 81.4

81.4 81.4 81.4

84.1 84.1

84.1 84.1

84.1

84.1

84.1

80.5 77.0 32.3

73.2 78.8 78.8 79.7 79.7 80.5

79.7

79.7

85.8 85.8 85.8

85,8

85.8 85.8 8

85.00

90.3 90.3 90.3

90.3 90.3

90.3 90.3

85.0

90.3 90.3

90.3

90.3

90.3

90.3

90.3

85.0

۱۸۱۸ AI AI

85.8

85.8

85.8 85.8

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST.)

HONTH

۸۱ 58.4 ۸۱ ≥ 5/16

٨١

۸۱

٨١

۸۱

1.7 ۸۱

V 1%

≥ 21/2

٨١

٨١

17

٨١

2 ٨١

(FEET)

NO CEILING

> 20000

58.4

VISIBILITY (STATUTE MILES)

91.2 98.6 90.3 90.3 90.3 90.3 91.2 91.2 92.6 6.76 4.7 4.16 65.6 91.2 7.46 95.6 80.3 92.9 90.3 90.3 1.56 91.6 2.16 6.26 95.6 6.26 90.3 91.2 4.16 91.2 92.9 80.3 91.2 98.2 8006 4.7 98.6

94.7 94.7

95.6 4.7.0

95.6 95.6

93.8

92.9

6.26

86.7 86.7

80.5

80.8

700 500

86.7

80.5

97.4 97.4

94.7

87.6

80.5

98.2

2.86

9.56

6.46

80.5

ALAI

80.5

80.5

300 80

ALAI AIA

24.7

94.7

94.7

6.26

6.26

92.9 92.9 93.8 95.6

4.76 4.79

92.9 92.9

91.2

91.2 91.2

91.2 6.26

91.2 91.2

91.2

91.2

85.8

200 800

AI AI ALAI ALAI

91.2

91.2

92.9

92.9

86.7

92.9 92.9

91.2

91.2

91.2 91.2

TOTAL NUMBER OF OBSERVATIONS

98.2

CHARLESTON, SOUTH CAROLINA NWSED

2

....

CEILING VERSUS VISIBILITY

HINOM	HOUNS (L S T)
73m70	FRCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
STATION NAME STATION NAME	PERCENTAGE FREQUENTE

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	5	۰ ۸۱	۷۱	4	κ Al	≥ 21/2	71	VI 2/2	71	- AI	% AI	∦* ∧I	% AI	≥ 5/16	VI N	٨١
NO CEILING		60.2			62.0	62.0	62.0	62.0	62.0	62.0	62.0		62.0	62.0	62.0	62.0
> 20000		65.5	6.69	6.69		6 60	6	6	6		66.69	6.69	6.69	6.69	•	6.69
18000			6.69	6.69		6.69	6.69		6.69		66.69	0	66.69	6.69	6.69	
2 16000			0	6.69	6	6 69	0	6.69	0		6.69	6.69	6.69	6.69	6.69	
> 14000		68.5	6.69	6.69	6.69	6 69	6.69	6.69	6.69	6669	6.69	6.69	6.69	6.69	6.69	6.69
> 12000		4.99	70.8		70.8	70.8		0	0	0	70.8	70.8	70.8	70.8	70.8	70.8
V 10000		0.69	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
0006		0.69	3	74.3				74.3		74.3	74.3	74.3	74.3	74.3	74.3	74.3
		74.3		80.5		80.5		000		80.5	0	80.5	0	80.5	80.5	80.8
1 7 1 000		75.2						-			81.4	81.4	81.4	81.4	81.4	81.4
1		75.5	4.18	81.4	31.4	9 1 6	4.	81.4	81.4	81.4		81.4	81.4	81.4	81.4	81.4
2000		75.2	81.4		-					4.18	81.4	81.4	81.4	81.4	81.4	81.4
				-	10	00	25)	en	3	203	en	3		83.2	83.2	83.2
171		77.0	1		3		m	175			83.2		83.2	83.2		83.2
				3	*	+		4	4	4	*	4	•		*	*
3000				10		85.0	5	10		10	85.0	85.0	85.0	85.0	85.0	85.0
		77.0	83.2	86.7	86.7		96.7	86.7		86.7	86.7	6.9	86.7			
> 2000		77.9	85.0	4.68	4.68	89.4	89.4	89.4	4.68	4.68	4.68	4.68	89.4	4.68	89.4	89.4
		77.0	85.0	89.4		4.08	89.4		4.68	89.4		6	39.4	0	4.68	
1500		7.67	0			91.2	91.2	91.2	91.2				91.2	91.2	91.2	91.2
1		79.7	86.7	91.2		-	-	-	-			91.2			-	-
0001		79.7	80.7				91.2		91.2	•	-		91.5	91.2	91.2	-
		79.7	86.7	91.2	91.2	91.2	91.2	91.2	-	91.2	91.2	91.2	91.2	-	91.2	:
008		79.7	87.6	6. 66	N	92.9		6.26	95.9	92.9	d	85.9	65.6	2	92.9	92.9
		79.7	87.0	65.6	92.9		92.9	92.9		92.9		92.9	6.26	92.9	92.9	
009		79.7	88.5	60		96.5	96.5	80.08		96.5	96.5		90.5	96.5		96.5
		79.7	88.5	93.8	9.56	96.3	96.5	97.4	4.70	4.7.6	4.16	4.16	4.16	4.16	97.4	97.4
V 400		79.7	88.5	60	95.6	96.3	4.16	98.2	98.5	98.2	98.5	98.2	66.1		1.66	1.66
		79.7	88.5	0.00		96.5	4.7.6	98.2	98.2	98.2	98.2	œ	1.66	99.1	99.1	1.66
7 200		79.7	88.5	93.8	95.6	96.3	97.4	98.2	98.2	98.2	98.2					99.1
VI 001		79.7	88.38	93.8		9			98.2	98.5	98.2	98.2	1 66	99.1	-	1000
		79.7		93.8	95.6	96.5	97.4	98.2	98.2	8					1.66	100.0

The set of the second s

5703 CEILING VERSUS VISIBILITY JAN 68

TOTAL NUMBER OF OBSERVATIONS

500

HOURS (1 ST.

5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(LEE)	VI 5	۸۱	71	VI	۸I	≥ 21/2	7	٧١ ٧٧	71	_ 	% AI	∦ *	% AI	2 5/16	NI N	٨١
O CEILING		50.3		56.	2	7	00	00	60	•	8	8	03	60	58.6	58.7
> 20000		58.6	60.6	63	64.7	65.0		65.7	4	65.00	65.8	65.8	2		0.99	66.2
≥ 18000		55	-	63		5		103	-		0		.0	9	.0	
≥ 16000		5.5		63.9	6.49	65.3	68.9	65.9	65.9	0.99	0.99			66.2	66.3	66.4
≥ 14000		25.0		64.	65.5	65.8	56.8	9	. •	6.	.9	.9	. 9		. 9	
≥ 12000		50		9			66.9	9	9	7	67.0	0.70	-		67.3	67.4
₹ 10000		57.7		66.	67.7	00		68.7	68.7		00	68.8	2		0	
> 0000		57.7		66	. •	•	58.7	00		00	00	8	00	68.9	0.69	69.1
		63.3		73		3		in		10	3	5	5		5	76.0
> 7000		64.1		74		76.0	76.7	0		76.8	.0	. 9	.0	76.9	77.0	77.1
		64.1			50	0	76.7	76.7	.0	9	. 9	76.8	. 9		77.0	77.1
> 2000		4.49		74.		è	1	-	77.0	1	7	77.1	1	-		77.4
		0.80		200	7			63	83		8	8	00			78.4
1 4000		66.2		77.		0	79.8	3		0	6	0	0	0		80.2
		_		03-	0	grad grad	,			-	-	-	2	N		2
3000		68.9		81.		N		25%	6	10	3		6			83.9
> 2500		70.0	78.8	6.00	84.5	84.9	85.7	35.7	85.7	8 5 8	85.8	85.8	86.0	86.0	86.1	
≥ 2000		71.4		80 80	1	-		03	20	90	8	8	8	00	89.1	89.2
> 1800		71.64		8.5		1	20	02	00	40	8	8	9			0
		73.2		83	6	0		000	0	-	-	-	-4	-		91.5
> 1200		73.3		6.4		90.2	-				-	-	-	-	91.6	91.7
N 1000		120		80	0	0	616	91.9		2	2	2	~			92.5
006		73.9		88.	0	-	2	0	N	92.3	2	92.3	N	2		95.6
		74.0		68	-	es		0.00		200	3	93.4	3	3		93.7
		74.0				0	93.5	600	0	-	93.7	93.7	10			0.56
009		74.0		90	-	4	5	95.8	ישי	9	. 0	0.96	9	•	90.06	96.6
> 200		74.0		00		87	0	8.96		-	-	0.79	-			7.16
1 400		74.0		06	94.1	10	6.96		7	97.5	-	97.5	-	6.46	ं 86	98.2
300		74.0		.06		98.5		4.16	9.10		7.16	47.7	8		98.8	98.7
		74.0	004.3		94.1	5	0.26			6.46	00	98.1	3	98.7	1.66	66.3
81		74.0	64.3	06	94.1	50	0.16	-	4.16	6.46	8	98.1	3	98.7	1.66	8 . 66
0			4	00		u	-	-	1	1	8	98.1	30			

TOTAL NUMBER OF OBSERVATIONS

706

NAVWEASERVCOM

13758 STATION

76.6

76.6

77.4 8.64

75.8

79.8

80.7

80.7

7.26

6116

91.1

91.1

90.3

92.7

92.7

616

616

5116

6.16

6116

90.3 6116

80.06

90.3 6.16 61.6

606

88.7

88.7 90.3 600

88.7

616

61.6 61.6

8006 90.3

88.7

35.5

76.6 77.4 77.4 77.4 19.0

800

ALAI

84.7

616

61.6 91.9

93.0

92.7

7.26

92.7

7.26

93.6

93.6

93.6

93.6

616

61.6

86.3

91.1

89.8 8.06

86.3

200

ALAI

500

ALAI

85.5

95.2

92.7

1.26

93.6

93.6

T. 18.

The same

75.8

75.0

75.0

66.1 70.2 70.2 89.5

80.8

88.7

88.7

88.7

88.7

86.7

38.7

88.7

0 10

87.9 88.7

87.1

1.48

76.6

1200

11 11

84.7

76.6

84.7

76.6

1800

ALAI

87.9

91.1

1.16

90.3

6006

8006

60.3

8.06

6.00

50.06

90.3

88.7

6.06 6.06 616

6.06 600

90.3

90.3

80.3

90.3

90.3 606

86.3 87.9 87.9

86.3 87.9

82.3

13758 STATION

2 AI

(FEET)

NO CEILING

18000

AI AI

14000

The second secon

0000

ALAI

8000

AI AI

5000

ALAI

4500

11.11

3500

ALAI

2500

ALAI

CHARLESTON, SOUTH CAROLINA NWSED

YEARS

HOURS (L S T) MAK

۸۱

Δí

73.8 75.0 76.6 77.4 87.1 83.5 87.1 70.2 75.8 79.8 70.2 80.7 2 5/16 75.0 75.8 75.8 76.6 77.4 81.5 85.5 87.1 70.2 8.64 87.1 66.1 80.7 88.7 AI 70.2 77.4 85.5 65.3 75.0 75.8 76.6 61.5 70.2 75.8 79.8 50.7 87.1 66.1 ۸Ι 75.8 70.2 77.4 85.5 75.8 81.5 87.1 70.2 76.6 80.7 19.8 87.1 ٨١ 75.8 00 00 00 00 00 00 00 00 PERCENTAGE FREQUENCY OF OCCURRENCE 75.8 87.1 70.2 77.4 65.3 16.6 79.8 80.7 87.1 75.0 70.2 66.1 ۸Ι VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 85.5 85.5 65.3 70.2 75.00 77.4 70.5 76.6 75.0 75.8 79.8 80.7 87.1 87.1 65.3 65.3 66.1 1.7 ۸۱ 75.0 76.6 77.4 66.1 79.8 65.3 75.8 6.00 70.2 75.8 80.7 87.1 70.2 67.1 17/2 ۸١ 75.0 75.8 76.0 80.7 65.3 35.5 77.4 70.2 70.2 79.8 83.00 87.1 75.8 87.1 ۸۱ 77.4 76.6 65.3 75.8 75.8 01.5 85.5 86.3 86.3 6 Si 64 10.2 366 66.1 5.0 80.7 ۸Ι 83.5 75.8 76.6 1.99 70.2 75.0 77.4 86.3 86.3 65.3 70.2 75.8 19.8 80.7 ۸١ 9.91 30 50 50 65.3 65.3 66.1 70.2 70.2 78.0 75.8 77.4 79.8 80.7 81.3 84.7 100 ۸١ 30.00 9.92 75.0 4.69 75.0 03.0 74.2 8.64 79.8 83.9 64.5 4.69 83.1 64.3 79.0 ٨١ 75.0 13.4 73.4 61.3 9.80 4.69 70.2 71.0 75.8 62.1 64.5 Al

TOTAL NUMBER OF OBSERVATIONS

124

00.00

8.06

96.0

95.2

95

80

ALAI

300

AI AI

HOURS (L S T)

MONTH

134

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

18.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CARDLINA NWSED 73-75

CEILING							ž	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
(FEET)	71	٨١	۸í	A I	۸I	≥ 21/2	۵ ۱۸	۷۱ ۲۱%	VI 7.	- AI	۸I	*	% AI	> 5/16	ΛI -24	٥
O CEILING		44.4		43.	49.2	0	0.000	50.0		50.0	50.0	20.0	20.0	50.0	50.0	50.8
× 20000		52.4	54.8	57.3	38	58	58	100	58.9	8	•		0	00		59.7
≥ 18000		32.4	54.3	57.3	58.1	88	5.88 6	58.9	58.8	58.9	58.9	58.9	50.0	58.9	58.9	89.7
≥ 16000		32.4		5.7	58	50	9 58.9		58.9	90	58.9		58.9		58.9	59.7
> 14000		55			58.1	00	9.88.9	58.9	58.9	58.9	98.9	58.9	58.9	58.9		59.7
≥ 12000				5.88	20.00	5.0	59.	0.5		59.7	59.7	59.7	59.7	59.7		60.5
≥ 10000		55.7	58.9	61.3	62.9	63	7 63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	64.8
0006 ~		56.5			63.7		5 64.5	0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.3
		50.7	63.7	67.7	4.69	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.8
> 7000		59.7	63.7	67.7	4.69	-		1	71.0	71.0	71.0	71.0	71.0	71.0	-	71.8
0009 1		59.7	63.7	67.7	4.69	71.	71.	-	71.0	71.0	71.0			71.0	71.0	71.8
> 2000		59.7		63.6	70,2	71	3 71.8	-	71.8	71.8	-	71.8	-	71.8		72.6
> 4500		60.5		0	71.0	72.	72.	72.	72.6	72.6			72.6	72.6	2.	73.4
× 4000		62	66.9	711.		74	2 74.2	~	74.2	74.2	74.2	74.2	. 4	+		75.0
> 3500		63.7	68.6		74.2	76.6	76.	76	76.6	76.6	76.6	76.6	76.6	76.6		77.4
> 3000		64.5			75.8	7.8	2 78.2	78.7	78.2	78.2		8	78.5	78.2	78.2	79.0
> 2500		66.99		78.	79.8	20 E/1	3 82.3	82.3	82.3	82.3	82.3	2	85.3	82.3	82.3	83.1
≥ 2000		9.0	75.0		82.3	4.00	84.	37 00	•	84.7	4		*		. 4	85.5
> 1800		4.69		80.7	82.3	84.	7 84.7	84.7	84.7	84.7		*		84.7	*	85.5
		71.0	76.6	200	83.9	99	3000	86.3	86.3	86.3		86.3	80.3	86.3		87.1
≥ 1200		71.0	77.4		•	87.	1 87.1	00	87.1	87.1	-		-		-	87.9
0001		71.8	78.2		500	1.89	60	-	87.9	1	-	7	-	-		88.7
006		71.8	78.2	83.9	35.5	20	9 87.9	87.9	87.9	87.9		-		87.9	-	88.7
		71.8	79.8	•	87.9	90.	3 90.3	90.3	90.3	8000	90.3	80.3	90.3	90.3	60.3	91.1
700		71.8	79.8	86.3	67.9	90	3 90.3	0	90.3	90.3	90.3	•	60.9		0	91.1
009 <		71.8	80.7		90.3	NO	7 92.7		92.7	92.7	92.7	92.7		92.7	~	93.6
2 500		71.8	80.7	86.7	91.1	257	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	4.46
VI 400		72.6	81.5	89.8	616	96	4 94 64	4.46	34.4	4.46	4.46	4.46	4.46	4.46	4.46	95.2
300		72.6	31.5	00	616	34.	7.76 5	4.46	4.46	4.46	4.46			4.46	-	95.2
7 200		72.6	01.5	0.00	91.9	94	4 94.4	4.46	4.40	4.46	4.46	4.46		95.2	95.2	97.0
80		72.6	81.5	89.5	6.16		5.56	4.46	4.46	4.46	;	4.46	2	98.2	95.5	4.86
0		e N	81.5	89.8	91.9	34	4 94.4	4.46	4.46	94.46	4.46	4.46	95.5	95.2	96.01	0000

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13758 STATION

The same of the same

CHARLESTON, SOUTH CARDLINA NWSED 73-70

07 HOURS (1.5.T.)

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

				•												
CEILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	71	۸۱	۶۰ ۸۱	4	N AI	> 2%	۲ ۸۱	۲۷ کا مرا ۲۱	VI	- AI	% AI	a₹ Al	γ ΛΙ	≥ 5/16	VI NI	٥
NO CEILING		35.5	37.9	41.04	41.9	50.00	50.3	51.6	51.6	52.6	43.6	43.6	53.5	53.2	45.2	54.8
18000				ep 6				6			0	52.4	m r	m :		4
2 14000			***	\$ 5 E			50.8	51.6		VN		3 2		0 80		
			455		0		-	CV S		m.		m .		.5 1	*	5
VI VI 0000 0000		7 7	4.84	200	34.0	0 10 4.0 0 10	\$ \$ \$ \$ \$	200	55.7	56.5	0 0	0 0	2.5	57.0	50 S	20.00
8000			54.0	•	60.5	61.3	10	N .	62.1	N	CE U		9 4		54.5	
		4 4	30.7	6 10			10			63.3	65.3		00	0 0	0 0	67.7
2000		40.2	56.5	0		4	4	in	10	9	9	0	0			8
4500		4 4 6 0 C	\$ 0 to 10 to	62.1	63.	64.5	64.5	500	65.00	66.1	66.1	67.7	68.6	68.9	67.7	70.6
> 3500		23.00	61.4		00	0	0	0	0	-	-	-	-	-	2	
3000		0.46	62.1	-				-1		2	~		res.	•		5
> 2500		400	5.00	68 7.0	71.0	2 2 0	71.00	5 E	12.0	73.4	00	73.4	74.6	14.2	78.0	75.8
		55.7									9		-		50	0
1500		55.7		•	74.2			75.8					-	77.4	•	
1200		20 H 20 H 30 H	65.0	72.6	13.0	2 2 20 20 20 20	125	76.0	70.0	10.4	-0	40.01	· ·	80.0	0 4 0 4	80.7
		200	6.99	1 60 1 60 1									2		. 0	
08		10°	68.0			-	8		82.3	-	101	173			9	
VIV 600		00 80 00 80 00 80	69.6	77.4	40.00	0.00	00 00 00 00	20 00 20 00	33.3	00 00 00 00 00 00	80 80 60 60 60 60	6.8.0	200	\$ 50 \$ 10 \$ 10 \$ 10	85.00	8 2 9
		33.9	4 69	78.2	80.7	12	2		93.1			4	.0	0		8
400		58.9	4.69	78.2	80.7	82.3	82.3	83.1	83.	84.7	85.5				6	90.3
300		58.9	4.69	(A)	80.7	(C)	83.1	84.7	24.7	87.1			1.16	91.1	93.6	98.5
700		58.9	4.69		80.7	60		83.5		87.9		8000	•	91.9	94.46	91.6
80		50 0	4 0 4	2 0	000	n e	 	n u	100 c	200	000	9 6		× 0	70.5	N 0
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10 HOURS (1 S T)

CEILING VERSUS VISIBILITY JAN 68 5703

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED 73.70

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VISIBILITY (STATUTE MILES)

(FEET)															
۷۱ 5	۰ ۸۱	۲۱ د	VI 4	۳ ۸۱	> 21/2	17	٧١ ٪	۷I ۲۳	~ ^I	% AI	۸I **	۷۱ ٪	≥ 5/16	VI Z	٥
NO CEILING	30	1	100	63	100	19	140	199	60	m	3.	3	10		
≥ 20000	44.4	2		0			59 7		6	6	0	0	0	6	0
18000	44.4	52.4	50.7	59.7	59.7				0	0	6	•	0	59.7	59.7
_	46.4	N		0		59.7	0	59.7	0	6	0	5	6	6	
14000	44.4				50.7	0	59.7	59.7			59.7	59.7	59.7		
	4.50		60.09		60.5	60.5		-	0	0	0	•	0	0	0
	3°			63.7		*			*		. 4	64.5	.5		64.5
0006	4			64.5	64.5	65.3	257	65.3	10	5	5	5	5	5	5
	9.		ec.	CO	80	0	G.	6	0	6	6		0	6	
7000	*				4 69	70.2	0	70.2	0	0	0		0	0	0
-	50.00	61.3	7 69	0	0			0	70.2	0	0	70.2	0		70.2
2000	CV.			0		-		71.0	-	-	-	7		-	-
0	2		0		C		-	-	-	-	-	-		-	-
4000	60		71.0	-			ON	72.6	~	N	2	2	0	2	2
3500		65.3	*	74.2	74.2	5	75.0			75.0	5	75.0	75.0	75.0	75.0
	56.3		76.6	76.6	76.6			77.4	77.4	7	-	-	1	-	-
2500							00	~			2		m		
	59.7			N	82.3	83.1		83.1	67	10	3	3.	10)	3	*
1800	50.1	71.8					ers.	83.1	83.9		5	83.0	83.9	83.9	83
	01.0	173		*	9			65.5	9	.0	9		9	.0	
	61.3			•	84.7	86.3	0	86.3		87.1	-	87.1	87.1	87.1	
1000	61.3	5	84.7	85.5						87.9	1	-		-	
	61.3			9	0	-			00	88.7	00	8		8	
800	61.3	83	86.3	87.1	57.3	88,7		88.7	89.5	6	6		89.5	6	
	61.3	75.0	86.3			0	3	69.3	0	80.3	0				
009	62.9	76.6	-		0	-	-		2	92.7	2	5.		2	
200	65.0	.0	88.7			92.7	es.	92.7	60)	19	1	0	2	93.6	
_	65.9	0	88.7			10		50		0		0			
	65.6	0	88.7			9	0	•	9	97.6	-	91.6		•	
200	65.0	76.6	88.7	-			96.0	96.0	96.8	91.6	91.6	1	97.6	97.6	98.4
100	65.6	. 9	98.1	91.1	91.9	0.96	0.96	0.96	.0	97.0	-	91.6		97.6	
_	63.0	4	1 60	1 57							-				

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CHARLESTON, SOUTH CAROLINA NESED 73-70

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				PERCE!	TAGE	PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	UENC LY OB	Y OF (OCCUP	RENC 5)	ш				HOURS (LST	12.1
CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	5	۸۱	۶۵ ۸۱	4	δ. VI	> 2%	7 1	VI 2/2	71	71	۸۱ ۲۵	3₹ Al	٧١ ٪	≥ 5/16	VI 74	٨١
NO CEILING			48.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000		55.7	60.5	N			2	N	N	62.1	62.1	62.1	62.1	62.1		62.1
7 18000		55.7		62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	
≥ 16000		58.7	60.5	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
		56.5	61.3	62.9	65.9	62.9	65.9	65.9	65.9	65.9	65.8	65.9	6.79	65.9	65.8	62.9
≥ 12000		56.5	61.3	65.9	65.8	65.9	65.3	65.9	65.9	65.9	65.8	65.9	65.8	65.9	65.6	62.9
				6.3	65.3	65 3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
0006 ~		58.9	64.5	1.99	66.1	66.1	56.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
		65.9	68.6	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
7000		64.5	70.2	71.8	71.8	71.8		71.8	71.8	71.8	71.8	71.8	71.8	71.00	71.8	71.8
1		40		71.8	71.0	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
000			71.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
		68.0	71.0	72.6	72.6	72.6	72.6	72.6		72.6	72.6	72.6	72.6	72.6	72.6	72.6
4000			72.6	74.2	74.2	14.2	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.2	74.2	74.2
> 3500		68.6	75.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6		16.0	76.6	76.6	76.6
> 3000		70.2	77.4	79.8	19.8	79.8	80.7	80.7	60.7	81.5	81.5	81.5	81.5	81.5	81.5	81.5
		72.5	79.8	83.0	63.9	63.9	34.7	85.8	55.58	86.3	86.3	86.3	86.3		86.3	86.3
≥ 2000			83.1	87.9	67.9	87.9	88.7	90	89.5	9.0.3	90.3	6006	60.3	90.3	90.3	90.3
				87.9	87.9	87.9	88.7	6.0	89.5	90.3	90.3	8000	90.3	90.3	90.3	90.3
> 1500		76.6	35	91.9	61.6	61.6	92.7	93.6	93.6	4.46	4.46	5.56	4.46	4.46	54.46	94.4
> 1200		76.6	85.5	91.9	91.9	91.9	92.7	93.6	93.6	4.46	4.40	4.46	4.46	4. 46	4.46	94.46
N 1000		76.6	85.5	61.0	61.6	6.16	7.26	93.6	93.6	4.46	4.46	4.46	4.46	4.46	4.46	94.46
006		76.6	38.5		616	6.16	92.7	93.6	93.6	94.4			4.46			94.4
		76.6	85.5	5. 56	4.46	4.46	2.56	96.0	0.96	96.8	96.8		90.8		96.8	96.8
		76.6	85.5	4.46	4.40	4.46	95.2	0.96	0.96	96.8	96.8	8.96	96.8	96.8	8.96	36.8
009 1		77.4	86.3	0.96	96.0	96	96.8	97.6	97.6	4.86	98.4	98.4		4.86	4.86	98.4
		77.4	87.1	96.3	96.8	96.8	94.6	98.4	4.86	99.2	2.66		2.66	6	2.66	66.5
2 400		77.4	87,1	96.8	96.8	96.8	91.6	98.4	98.4	366	99.5	86.5	2.66	2.66	66.5	99.2
		77.4	87.1	96.8	96.8	96.8	91.6	4.86	98.4		0.00	100.001	100001	100.001	100.0	100.0
N 200		77.4	87.1	96.8	96.8	96.8	91.6	4.86	4.86		00.00	0	_	0.0	100.0	100.0
91		77.4	1.	96.8	0	0		\$ · 06	98.4		0000	0.00	0000	000	0.0	100
		77.4	87.1	96.8	96.8	96.8	0.16	4.86	98.4	100.0	100.001	10001	100.001	100.001	100.0	100.0

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TOTAL NUMBER OF OBSERVATIONS

16 HOURS (L S T)

CHARLESTON, SOUTH CAROLINA NWSED 73-70

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	2	۸۱	۷)	4	۸I	2 2 %	7	٧١ ٧٧	71	<u></u>	٧١ %	* ^I	۲ ۸۱	5/16	VI 74	٥
NO CEILING				51.6		51.6	-		51.6	•	•	51.6	•	51.6		
2 20000			_	•	6000	0	6.99	60.09	6.99	6009	. 9	9		9	9	66.99
N 18000				6.99			6.99	6.99	6.99		6000	66.99	0	6.99	6.99	6.99
≥ 16000		61.3	65.3	6.69	6.99	9			6.99	6.99				•	0	6.99
> 14000				6.99	6.99	6.99		6.99	6.99	6.09	6.99	6.99	6.99	6.99	0	6.99
> 12000		01.83	66.1	67.7	68.6	68.6	68.6	68.6	68.6	0	68.6		9.89	68.6	68.6	68.6
V 10000		62.1		68.6	69.4	4.59	9.69	0		4.69	4.69	4.69				4.69
		62.1	66.9	68.6	69.4	4 69	4.69	69.4		6		4.69	4.69	4.69	4.69	69.4
> 8000		64.3		71.8	72.6	•	72.0		. •	~			72.6	72.6		72.6
> 7000		6.99	74.6	74.2	75.0	75.0	75.0	75.0	75.0	75.0			75.0			75.0
0009		6.99					75.0	15		5					5	79.0
> 2000		6,99	72.6		75.0	75.0	10	75.0	75.0	75.0	5	3	75.0	5		75.0
> 4500		6.00		74.2			15	·			75.0	75.0	75.0	75.0	5	75.0
× 4000		68.6	74.2		76.6		76.0	76.6	76.6	0	0	9	0	0		76.6
> 3500		71.0	-			0		0		0	0	6		0	6	19.0
3000		72.6	79.0	0		-	00	-	5		-	-	81.5	-	-	
> 2500		75.3		84.7	35.5	00 00 00	5.5	85.5	88.5	30 30 30	65.5		85.5	85.5	85.5	
		79.8	-	0		0	0	0		ċ	0	0	0	0	0	80.3
7 1800		79.8			0		0	0		•	0	0	90.3	0	0	.0
		80.7		0		0		~	92.7	92.7	~	2	*	0	2	92.7
> 1200				91,1			5.46		4.46		*	*	5.56	4.46	*	
1000		61.5	60.60		95.2	95.2	95.2	95.2	5.56	95.2		3	3		95.3	95.2
006 1		*		*	98		0.80	100	05.5	95.2	5	5	95.5	95.2		95.2
				616	95.		99.5	0		95.2	5		0		'n	
V 700				45.7	96.8	0	96.8	.0	96.8		96.8	.0	90.8		9	8.96
009 3		81.3	90.3	92.7	96.8	•	97.6	-	97.6	98.4	98.4		3	4.86	98.4	93.4
200					96.8	•		-	97.6	4.86		98.4				4.86
1 400		100	90.3	92.7	96.8	96.8	4.80	98.4	486	100.0	0	0	100.0	100.0	100.001	0.00
300				92.7	96.8	96.8	4.80	98.4	4.86	100.001	0		100.0	100.0	0	0.00
200			90.3	92.7	96.8	96.8			4.86	100.0			100.0	100.0	100.001	0.00
		(C)	90.3	92.7		96.8	4.86	4.86	4.86	0.0	0000	00.00	0000	100.0	100001	0.00
٥					96.8				98.4		0.0	0.0	.0	00	100.00	0000

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TOTAL N

STATION

CHARLESTON, SOUTH CA

VISIBILITY (STATUTE MILES)

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	AGE FREQUENCY OF OCCUR	
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F OCCURRENCE	(A MICINS)
PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURET OBSERVATIONS)

YEARS	ERCENTAGE FREQUENCY OF OCCURRENCE
8	9
(34)	JENCY
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AND	ENTA
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CEILING VERSUS VISIBILITY

TO BE SELECTION

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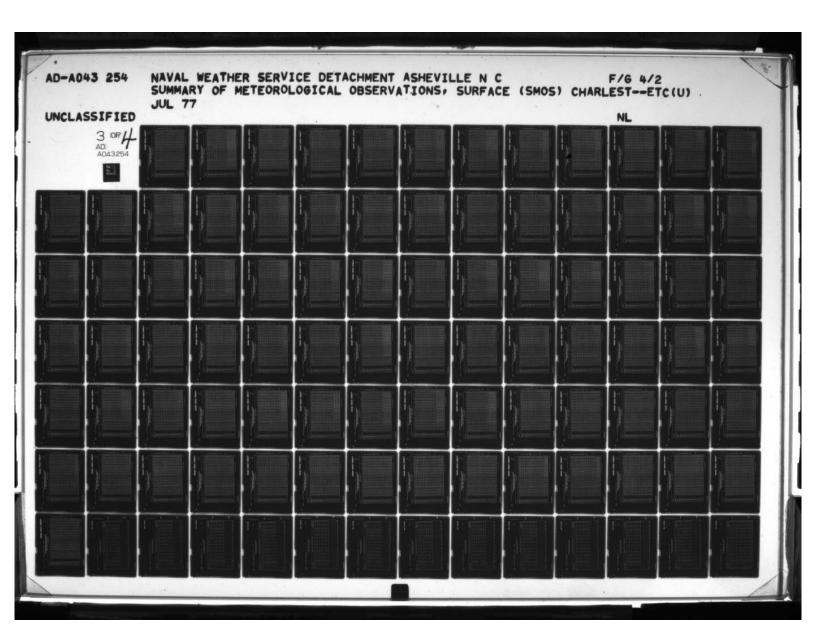
TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVOOM

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

S. I.							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	2 1	۸۱	3	4	e VI	> 21/2	71	۲۱ الا	VI 71	- AI	VI	* 1	۱۷ ا۷	> 5/16	VI 3	٥
O CEILING		55.7	56.5	56.5	57.3	57.3	57.30	57.3	5.4	57.3	57.3	57.3	57.3	57.3	57.3	57.0
		61.		0	3	144	*	3	4	4	*	. 4	64.5		. 4	5
≥ 16000		61.3	60		63.7	10	64.5	64.5	64.5	64.5	*	4		4.		64.5
≥ 14000							4.	64.5	64.5	. 4	*	64.5	64.5	64.5	64.5	. 4
Z 12000		61.3		62.0	63.7		64.5	64.5	64.5	64.5		. 4	. 4	*		64.5
N 10000					65.3	65.3	66.1	66.1	66.1	66.1	66.1	66.1	1.09	66.1	66.1	66.1
1			-		66.1	-	0		.0	0	.0	9	•	0		9
N 8000		68.6		77.00			13.4	73.4	73.4	73.4		73.4	73.4	73.4	73.4	73.4
		71.0			75.0		5		75.8	100	10	3	5	50		10
0009 ~		71.0		74.2	3	75.0	10	78.00		w)	50	80		101		75.8
> 5000		72.6		7.5	76.6		77.4		77.4			-	77.4	1.	77.4	1
		72.6			0							1	-	-	77.4	77.4
₹ 4000		74.2		77.4	78.2	78.2	79.0	79.0	29.0		0	0	0	79.0	29.0	
		74.2		00			79.8					0	0	79.8		79.8
≥ 3000		75.0	76.6	79,8	0	0		63	31.5	01.5	-	-	-	21004	-	
> 2500		77.4		84.7	5	0.5	86.3	86.3		0		9	•	86.3		
		76.2				-	88.7	00	88.7	00		00	e (3)	88.7		
≥ 1800		78.2			87.9		.00				88.7		86.7	00	00	88.7
- 1		79.0		6.70	03	88.7	89.5	89.8	80°	6		0	0	89.5	39.5	
> 1200		80.7	83 . Qr	0		90.3	91.1	91.1	91.1	-	91.1	91.1	91.1	1.	91.1	-
		62.0			0			100	93.6			en;	-	123		1
006		60 60			2	92.7	93.0		93.6	20	93.6	60)	*		3	177
		(C)		93.0		94.4	0.96	0.96	0.96	0.96		9		96.0	0.96	0.96
		82.3		93.6		4.46	0.96	0.96	0.96	0.96	0		0	86.0		.0
009 <		82.3		94.4	95.2	98.2	96.8	96.8	96.8	96.8	96.8	. 9		0	96.8	.0
200		60 53		98.2		96.0	97.6	97.6	9.7.6	98.4	4.80	00	* 33	4.86	98.4	98.4
7 400		82.3		0.96	90.8	96.8	98.4	4.80	98.4	99.2	2.66	6		89.2	99.2	99.2
300		60		0.96		96.8	98.4	98.4	4.86		3.66					
200		82.3		0.96	96.8	96.8	4	98.4	98.4	3066		6		99.2	38.5	88.5
8 4		CO CO	88.7	96.0		96.8		98.4	98.4		2.66	6	99.5			0.001
		82		0.96	96.8	96.8	48.6	98.4	4.80	99.2	99.5	366	2.66	99.2	99.5	0.001



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CEILING VERSUS VISIBILITY

T. Br. S. Beach S. Call

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED 73-76

ALL HOURS (LST.) MAN

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					,											
CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	71	۸۱	AI	4	e vi	≥ 21/2	7 1	۷۱ %۲	VI 7.	- AI	% AI	∦° ∧I	VI Z	≥ 5/16	VI VI	٨١
NO CEILING		5.45	4 8 8 0 0 0	51.2	51.5	51.7	51.8	51.8	51.8	51.9	51.9	51.9	52.0	52.0	52.1	52.
VI V 18000		4	00 0	63.	61.		62.0		62.1	20			62.3	•	62.4	
		54.2	000	200	61.	6.10	62.1		62.2	100	62.3	100	NM	i ni m		
000		101		400	400		in in	in o	600			50	00	9 12	65.8	66.
VIVI 2000		62.4	68.7	70.0	1.	70.9	71.2	71.3	71.3	71.4	71.4	72.8	71.5	72.9	73.0	73
000 2000 AI AI		4.50	68 9	72	72.			72.7	22				72.9	72.9	73.8	73
V 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1		63.3	70.8	124	73.				73.		73.8	73.8	73.9	73.9	74.0	74.
3200		66.3	72.5	7.77	76.6			77.4	77.4	77.5	79.5	77.5	77.6	77.6	77.7	80.
Y 2500		70.9	76.7			03.50		83.3		m 0	83.6	83 60 4	m 0	10.0	83.9	86.
1800		70.9	78.8	88.1	0.00 0.00 0.00	83.4	85.9	86.1	86.1	86.4	86.24	88 4 5	0 0	00 00 00 00 00 00 00 00		00 co
VIVI 1200 1000		122	0 -	00 00 0 1	00 00 c		89.8	0.0	0.0	90.5	m NI	89.3	0.00	90.00		000
		72.4	22.00	10 00 0	-	9000	91.7	91.9	90.2	92.2		92.2	92.4	45.00	92.0	92.
		73.1	100	000	910		980	2 57 3	200	4 5	94.1	30		2 4 10	94.6	94
86			100	91	m	m.		10	101	96.1	96.3	4.96		96.6	96.9	97.
3 3 1 1 1		4 4	0 00 0 00 0 00		93.5	94.0	50.00	95.0	95.0	96.8	0 1	: :	0 2 .	97.0	97.9	000
80		73.4	10 E	91.1	93.2	00	0.00 81 82 81 80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00	96.8	97.0	97.2	97.0	97.6	98.2	99.

TOTAL NUMBER OF OBSERVATIONS

266

NAVWEASERVCOM

13738 STATION

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HOURS (LST.)

73-76	YEARS	PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)
CHARLESTON, SOUTH CAPOLINA NWSED 73-76	STATION NAME	PERCENTAGE FREGI	(FROM HOURL
CHARLEST			

CEILING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	(S)						
(FEET)	01 4	9	۶۰ ۸۱	AI AI	S AI	> 21/2	71	VI 25	7	- AI	AI	AI	% Al	≥ 5/16	VI N	٥
NO CEILING		65.8	66.7	66.7			66.7	9	9		66.	9	0	9	.99	1.99
2 20000		77.5	78.3	20	78.3	80	78.3	78.3	78.3	78.3	20	78.3	76.3	18.3	-	78.3
≥ 18000		77.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78,3	78		78.	78.3	78.3	78.3
≥ 16000		77.5	78.3	78.3	78.3	7.00	78.3	78.3	78.3	78,3	78	3 78.3	78.3	78.3	78.3	78.3
> 14000		77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 12000		78.3	79.2	79.2	79.2	70.5	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.	79.2
N 10000		80.8	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.	81.7	81.7	81.7	81.7	81.7
0006 <		83	84.2	84.2	84.2	64.2	84.2	84.2	84.2	34.2	84.2	84.2		84.2	84.2	84.2
		89.2	90.8	8.06	90.8	90.8	90.8	8 06	90.8	8.06		.06	8.06	90.8	90.8	90.8
2 7000		0.06	91.7	91.7		91.7	91.7	91.7		91.7	.16	91.7	91.7	91.7	91.7	91.7
		90.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.	91.7	91.7	91.7	91.7	91.7
> 2000		0.06	91.7	91.7	91.7	91.7	91.7	91.7	91.7		91.	1 91.7	91.7	91.7	91.7	91.7
		90.0	91.7	91.7	61.7	91.7	91.7	7.16	91.7	91.7	.16	1 91.7	91.7	91.7	91.7	91.7
4000		90.0	91.7	91.7	91.7	91.7	91.7	91.7	01.7	91.7	91.	91.7	91.7	91.7	91.	91.7
		90.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.	95.5	92.5	92.5	92.5	92.5
3000		91.7	24.5	94.2	94.2	5.46	94.2	94.2	94.2			2 94.2	2.46	94.2	0	94.2
		96.2	96.7	96.7	7.96	96.7	7.96	7.96	7.96	7.96	96	1 96.7	96.7	96.7	96.7	96.7
> 2000		94.2	96.7	96.7	96.7	96.7	66.7	96.7	7.96	66.7	96	1 96.7	96.7	96.7	7.96	46.7
		94.2	96.7	96.7	90.7	96.7	2.96	96.7	96.7	96.7			96.7		1.96	96.7
> 1500		95.0	97.5	97.5	97.5	97.5	97.5	97.8	97.5	97.5	97.		97.5	97.5	97.5	97.5
		95.0	97.5	61.8	97.5	27.5	97.5	97.5	97.5	97.5	97.	8 81.5	-	97.5	6.16	97.5
> 1000		95.8	98.3	99.2	3.66	99.2	99.2	99.2	2.66	99.2	66	366		99.2	99.5	99.2
		96.7	99.2	100.0	100.001	100.001	0.001	100.0	100.001	0000	100	0100.0	100.0	100,0	10000	10000
008		96.7	2.66	100.001	100.001	100.01	100.0	100.0	100.001	0.00		0		100.0	100.0	0.001
		96.7	2.66	100.01	100.00	100.001	0.001	100.001	100.001	0.00	.00	100		-	100.0	100.00
009		96.7	2.66	100.001	100.001	100,001	100.00	100.001	100.001	0000	100.0	10000	100.0	100.0	100.0	100.0
> 200		96.7	3.66	100.01	100.00	100.001	0.001	100.001	100.001		100.0	0	100.	100.0	100.0	100.0
7 400		96.7	36.5	100.001	00.00	100001	0.001	100.001	100.00		100.0	100.	100	-	100.0	100.0
300		96.7	99.2	100.00	100.001	100.001	100.00	100.0	100.001	0.00	00	100	100	100.0	10000	100.0
> 200		2.96	2.66	100.0	100.00	100.00	0.001	100.01	100.00			100	100	100.0	100.0	100.0
8		96.7	99.2	100.001	100.001	100.01	0.001	100.001	100.00	0.00	100.0	0	100		100.0	0.001
- 1		96.1	2.66	100.001	100.00	100.001	0000	100.01	100.001	0000	100	100.0	100.0	100	100.0	100.0

NAVWEASERVCOM

13758 STATION

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CEILING VERSUS VISIBILITY

YEARS	-76
STATION NAME	SOUTH CAROLINA NWSED 7
	CHARLESTON
NO	8.8

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.4 HOURS (1.5.T.)

A P R

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	.ES)						
(FEET)	VI 5	۸۱	۶۵ ۱۸	4	es Al	> 21/2	7 1	V1 V2	71	- AI	۸۱ ۱۳	* 11	VI VI	≥ 5/16	VI %	٨١
NO CEILING		68.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.5	67.5	67.5	67.5	67.5	67.5	67.5
20000			10	ur.		10		5	127	0	-		:			77.5
N 18000				75.0		75.8		75.8	75.8	76.7		77.5	77.5	77.8		77.5
00091 ₹			100						75.8	76.7	-					77.5
2 14000						75.00	75.8			76.7	7.	77.5	77.5	77.5	77.5	77.5
≥ 12000		74.2		75.00	75.8	75.8	8	75.8	75.8	76.7				77.5	77.5	77.5
V 10000												0			79.2	0
0006				78.3			78.3	78.3	78.3	79.2	80.0	80.0	80.0	80.0		80.0
					3		661	00			5		85.0		100	5
> 7000			84.2	84.2		84.2	84.2	24.	84.2		153	in	85.8			
1			*	4	4.	*	*		*	123	10%	3			100	85.8
2000			34.2	84.2	84.2	84.2	84.2	84.2		85.0		85.8	85.8		2	
1				4	4	4	*		. 49	5	85.8	5	85.0	5	85.8	5
1 4000				84.2	84.2	54.5	84.2	84.2			50	85.8		5	85.8	85.8
					35	183	3	in.		85.8	0	86.7	.0		6.	86.7
3000		86.7	00	88.3	80			88.3	00	6	0	0	0.06	0	0	0
			89.2	0	89.	89.2	0	0	0	0	90.8	8.06	8.06		8.06	8.06
> 2000			0			0			0	90.8	-	-	91.7			91.7
		88.3	.0	0	0	0			0	0	-	-	61.7	-	-	91.7
> 1500				92.5			2		92.5			* *			34.5	34.5
			0		2.	92.5	5.	55.36	2.		94.2	84.2	3.46	. 5		94.2
> 1000		92.5	94.2	94.2		95.0	95.0	0.55	98.0		.0	. 9	600.7	96.7	1.96	96.7
			95.0	95.0			10	95°B	•		97.5	97.5	97.5		97.5	
008			0.86	98.0		95.8		95.8		7.96		-	61.6			97.5
			0.56	0.56		95.8		98.8	95.8	7.96	97.5	91.8	97.5	97.5		97.5
000		93.3	95.0	98.0	95.6	7.96	96.7	7.96		97.5	00	8		98.3	98.3	98.3
			0.56	0.86	95.8		9	96.7	96.7	97.5	98.3		98.3			
VI 400			0.56	95.0	3	7.96	2.96	96.7	96.7	97.5	98.3			98.3	98.3	98.3
			95.0	0.56	95.8	96.7		7.96	7.96	97.5	98.3	98.3		98.3	98.3	
> 200			0.56	95.0	3	96.7	96.7	96.7	66.7	97.5	98.3			98.3		98.3
91		93.3	95.0	98.0	95.8	96.7		7.96	96.7	97.5	98.3	98.3		88.3	8.3	100.0
0 1			95.0	98.0		7.96			7.96	97.5	98.3	98.3	98.3	98.3	98.3	0

The state of the second second

TOTAL NUMBER OF OBSERVATIONS

1234-18766

CEILING VERSUS VISIBILITY

73m76 CHARLESTON, SOUTH CAROLINA NWSED

HOURS (LST.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7000 1000 1000 1000 1000 1000 1000 1000	VI	N 00 00 D F F N N 00 F F F F N	V	V 25 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2%	2 2 59.2	VI 72	3	- I	2	* 1	N 19	≥ 5/16	N N	٨١
20000 20000 18000 14000 12000 9000 7000 6000	4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	NOSOFFRONTERS	- 0000000000000000000000000000000000000	00004000	722 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0		0			L	-	0	0		
20000 (6000 (7000) (7000)	N	00001110011100		00044600	72.5			•		80.8	80.09	8.09			60.8	8.09
18000 12000 12000 12000 10000	N 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 7 7 7 0 0 0 7 7 7 0 0	000000000000000000000000000000000000000	0044000	72.5	711.7	71.7	78.3	73.3	73.3	73.3	73,3	73.3	73.3	73.3	73.3
12000 12000 9000 7000 6000	W W W W & & & & & & & & & & & & & & & &	077770077700	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	044000		71.7	711.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
10000 10000 9000 7000 6000	N 2 8 8 8 9 9 9 9 9 9	PENNONFEREN	00000000000000000000000000000000000000	44600		71.7	71.7	100		73.3		73.3	73.3	73.3	73.3	73.3
2000 9000 9000 7000 6000	288000000000000000000000000000000000000	- NOOFFEE	2000 m m m	-44000		13.3	73.3	7.8		75.0	75.0	75.0	75.0	75.0	75.0	75.0
9000 9000 7000 8000	8833000	NNOOFFEE	000000	44000		13		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
9000	000000000000000000000000000000000000000	2001-1-6	000000	4000			75.6	77.8	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
8000 7000 6000	3 3 9 9 9 9	00 0	00000	000		75.00	75.8			77.5	77.5	77.5	77.3	77.5	77.5	77.5
2000	2000	w	0000	00		80.8	80.8	50	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
0009	0000	FFF	0.00	0		81.7				83.3	83.3	83.3	83.3	83.3	83.3	83.3
-	000	w	8.07		0		60			83	83.3	83.3	83.3	83.3	83.3	83.3
2000	0.0			80.0	0	7	81.7			33	83.3	69	83.3	83,3	83	83.3
4500	200			80.0		81.7	81.7			83.3	83.3	83.3	83.3	83.3	83,3	83.3
4000	2 20		71.7	80	81.7	82	2.3	84.2	84.2	84	84.2	84.2	84.2	84.2	84.2	85.0
3500	0.5	0	13.0	5 48	85.0	88	85.8	87	87.5	87.3	87.5	87.5	87.5	87.5	87.5	88.3
3000	99			8.8		87.5	87.5	89.2	89.2	89.2	89.2	89.2	89.5	89.2	89.2	0.06
2500	63	7.5	77.5	86.7	87.5	88.3	60 60 63 63	0.06	90.0	0.06	0.00		0.06	0.06	0.06	90.8
2000	67		76.3	87.5	88	89.2	89.2	90.8	90.8	806	8.06	8.06	8.06	90.8	90.8	91.7
1800	67	7.50		87.5		0	89.2			8.06	8.06	8.06	90.06	90.8	8.06	91.7
1500	- QP	20	31.7	91.7	92.	93 3	93.3	95.0	95.0	950	95.0	95.0	95.0	95.0	95.0	98.8
1200		60	31.7	91.7		93.3	93.3	98.0	0.56	95.0	95.0	0	0.56	95.0	95.0	95.8
1000	68	.3	31.7	91.7	0		93.3	95.0	95.0	95.0	95.0	95.0	0.56	95.0	95.0	95.8
006	60	.2	2.5	92.5	93.3	94.2	3.46	98.8	95.8	95.8	95.8	95.8	95.8		95.8	96.7
800	50	2	5.5	93.3	94.2	95.0	95.0	96.7	96.7	96.7	96.1	66.7	1.96	96.7	2.96	97.5
700	69	N	25.5	93.3	94.2	0.86	95.0	96.7	7.96	7.96	96.7	96.7	90.7	96.7	46.7	97.5
9009	69		2.5	63	94.2	95.0	95.0	96.7	7.06	96.7	96.7	96.7	90.7	96.7	7.96	97.5
200	69	2		50	. 56	95.0	95.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	98.3
400	69	2	2.5	93.3	24.5	95.0	100	97.5	61.6	97.5	97.5	97.5	97.5	97.5	97.5	98.3
300	69	2		93.3		0.86	95.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	98.3
200	69	2.0	25.5	93.3	94.2	95.0	95.8	97.5	97.5	97.5	97.5	97.5	98.3		98.3	3.66
80	60		32.5	93,3	94.5	98.0	98.8	97.5	97.5	97.5	97.5	97.5	96.3	98.3	98.3	99.2
0	69		32.5	63.3	94.2	95.0	98.8	97.5	97.5	97.5	97.5	97.5	96.3	98.3	98.3	00001

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

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CEILING VERSUS VISIBILITY

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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

WSED 73-76	PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
CHARLESTON, SOUTH CARDLINA NWSED 73-75	PERCENTAG (FROM

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(\$3)						
(FEET)	2	۸۱	۶۶ ۸۱	AI AI	κ Al	> 21/2	7 1	V1 7%	VI VI	ĀI	% AI	* 11	N N	2 5/16	AI	0 11
NO CEILING		60.8	9 60	66.7	67.5	67.5	57.5	107	67.5	67.0	67.5	18.0	67.5	67.5	67.5	
00081			9 6	1 3	3 10	5	0 10	4	L E	3				1		200
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			73.3	74.2		75.0	75.0	7 0	1 10	75.0		75.0	75.0	75.0	100	73.0
> 14000				75.0										76.7		76.7
> 12000		67.5	74.2	75.0	75.8	75.8	75.6		75.8	•	75.8	75.8	75.8	76.7	76.7	76.7
> 10000		69.2					-	7	77.5	77.5	77.5	77.5		70.3		78.3
≥ 9000			75.8	76.7	77.5	77.5	77.5	77.5	77.5	•			77.5	78.3	78.3	78.3
			77.5	78.3	0	0	0			80.8	80.8	80.8	80.8		-	81.7
> 7000					80.8	80.8	81.7	81.7	81.7	81.7	81.7	-	81.7	82.5	82.5	82.5
		70.8	78.3	30.0		0	-		81.7	81.7	81.7		81.7	82.5		82.5
2 2000		0	78.3	79.2	80.8	80.8	10	81.7	81.7	81.7	81.7	81.7	81.7		82.5	82.5
		70.8	78.3	79.2	80.8		-		81.7	81.7	-	-	•	82.5		82.5
4000			79.2			81.7	82.5	N		82.5	82.5	82.5	82.5		83.3	83.3
		73.3	80.8	81.7				84.2	4			84.2		85.0	5	85.0
> 3000		74.2	81.7	82.5	84.2	84.2	85.0	85.0		85.0	85.0	85.0	85.0		85.8	
> 2500		50	O.E	83.3				86.7	. 9	85.7	86.7	. 9	86.7	87.5	87.5	
		78.3	85.8	86.7	88.3	89.2		0.06	0.06	•		0	0.06		90.8	0
N 1800		79.2			89.2		8.06	8.06	.0	90.8		0		91.7	91.7	91.7
							3.66	95.8	93.8	W)	95.8	93.8	95.8	9	.0	.0
> 1200		61.7	0	60	5	9.35	•	96.7			2.06	9	96.7			81.8
0001			90.0	84.8	121		97.5	97.5	97.5	97.5		81.8	61.8	98.3	8	98.3
0%		001.7		34.5	0.50	.0	97.5	97.5	97.5		61.5				98.3	*
		65.5	1.16	0.86	96.7	97.5	98.3	98.3	98.3	98.3	696.3		6.36	99.2	2.66	20.5
		62.5	91.7	0.86	66.7	67.5	6.86	98.3	68.3	98.3	98.3		20	99.2		2.66
009		82	91.7	0.86		97.5	98.3	98.3	98.3	98.3	98.3	98.3		99.2	2.66	2.66
> 300			61.7	95.8			2.66	99.2	99.2		6	6	5	0.0	0.00	
V 400		82.5	61.7	9.5	97.5	98.3	66.5	3.66	99.2	•	6		6	0.0	100.001	100.0
300		32.5	61.7	98.8		98.3	99.2	3.66		30.5	6	6		0.0	0.00	0.00
7 200			41.7	98.8	97.5		99.2	2.66	2.66		6			0000	100.001	0.00
81		82.5	21.7			00	99.2	3.66	99.2	866	2.66		66.5	0000	100.00	0.00
- 1			91.7	95.8	97.5	60	80.5	99.2	99.5	366		66.5	99.8	00.00	0.001	00.00

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RESTON, SOUTH CAROLINA NWSED 73-70	PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
ESTON.	

CEILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5	9 Al	50	4	e vi	≥ 2%	7	٧١ ٧	VI 71		71	≱* Al	% AI	≥ 5/16	۷I	٥
NO CEILING		59.2	0.09			0.09	0	0.09	0.09	0.09			•	•	•	0.09
2 20000	-	71.7	72.5	72.5	72.5	12.5	12.5	72.5		72.5	12.5	(2.5	6.7	•	12.5	12.5
≥ 18000		711.7		72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	•		•	72.5	72.5
1,0000		71.7	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
2 14000		72.5	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
> 12000		73.3		74.2		74.2		74.2		74.2	74.2	74,2	74.2	74.2	74.2	74.2
N 10000		77.5	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	78.5	79.2	79.2	79.2
0006 1		77.5	79.2		79.2	79.2		79.2		79.2	79.2	79.2	79.5	79.2	79.2	79.2
			81.7	81.7	63.3	53	83.3	83		83.3	83.3	83,3	83.3	83.3	83,3	83.3
2 7000		80.0	81.7	81.7		83			83.3		83.3	83,3	83.3	83,3	83.3	83.3
		0.00	81.7	81.7	83.3	63	83.3	83.3	83.3	83.3	83.3	83,3	83.3	83.3	83.3	83.3
0005		80.0	81.7	6.10		60		83	83.3		83.3	83.3	83.3	63.3	63.	83.3
		80.0		82.3		34.2	84.2	84.2		84.2	84.2	84.2	84.2	84.2	84.2	84.2
1 4000		80.0	8	50	84.2	84.2	84.2	84.2		84.2	84.2	84.2	84.2	84.2	84.2	84.2
		82.5	88.0	85.0	87.5	67.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
3000		60 60	3.50	86.7	88.3	88.3	88.3	80	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
		36.7	0.06	91.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3		63.3		93.3	93.3
> 2000		88.3	41.7	63.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
		6.88	7.16	93.3	95.0	98.0	0.86	98.0	0.56	95.0	95.0	95.0	0.66	95.0	95.0	0.56
2 1500		89.2	95.8	99.0	66.7	96.7	66.7	96.7	7.96	96.7	2.96	. 9	1.96	96.7	96.7	66.7
		90.0	93.3	95.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
V 1000		90.8	98.0	97.5	88.5	99.2	2.66	99.2	99.2	99.2	99.2	89.2	2.66	89.2	3.66	30.5
		8.06	0.56	97.8	2.66	99.2	99.2	3.66	99.2	99.2	99.2	2005	7.66	99.2	88.5	89.5
800		90.8	95.0	98.3	100.001	10001	0000	100.0	100.001	100.0	100.0	100.0	100.0	100.0	100.0	0.00
		90.8	0.86	99.3	100.001	100,001	0.001	100.01	100.001	100.0	100.0	100.0	100.0	100.0	100.0	0.001
009		90.8	95.0	98.3	100.001	100.001	0000	100.0	100.00	100.0	100.0	100.0	100.0	100.0	100.0	0.001
		90.8	95.0	98.3	100.01	100.001	0000	100.0	100.001	100.0	100.0	100.0	100.00	100.0	100.0	0.001
× 400		90.8	0.56	98.3	100.001	100.001	0000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	0.00
300		90.8	0.56	98.3	100.001	100.00	100.001	100.0	100.001	100.0	100,0	100.0	100.0	100.0	100.0	0.00
> 200		90.8	0.56	98	100.001	100.001	0.001	100.0	100.001	100.0	100.0	100.0	100.0	100.0	100.0	0000
81		90.8	0.56	98	100.001	100.001	0.001	100.001	100.001	100.0	100.0	100.0	100.0	100.0	100.0	0.001
		90.8	95.0	98.3	100.001	100.001	00.00	100.0	100.00	100.0	100.0	10000	100.0	100,0	100.0	00.00

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

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CEILING VERSUS VISIBILITY

CEILING							VIS	SIBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(ree)	VI 5	۰ ۸۱	۶۶ ۸۱	4	ΛI	2 2 1/2	~ ^I	VI 2/2	VI 7.	ĀI	% Al	a₹ Al	% AI	≥ 5/16	VI St	٨١
NO CEILING		62.5	78.2	20 E	75.0	78.8	78.0	75.8	65.0	75.0	75.8	75.8	75.8	75.0	65.0	65.0
VI V 18000 16000		200	75.0				7 2 2 2 2 2 2							75.00		75.00
7 14000		74.2	75.00			0						0		76.7		76.7
7 1000		74.2	78.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	79.2	76.7	76,7	76.7	76.7	79.7
0006		76.7	0		0	0	0	0		0	0	0	0	0	0	80.8
0008 4		30.0						171	85.0	¥1)		3			Š	85.0
		20 00		101	5	0	.0	9	. 0		86.7		86.7	86.7		
0000 8000 81 A1 A1		000	0 00	0 00 0 00	0 00 0 00 0 00	300	000	800	000	0 0 X	200	86.7	86.7	86.7	800	86.7
		1 N	100	9	0			-	:		87.5					
1 4000		83.3	86.7	87.5			88.3	88.3	88.3	88.3		88.3	88.3	88.3	88.3	88.3
		84.2	87.5	88.3	8 . S	89.2		0		6		0	89.2	89.2	89.2	89.2
≥ 3000		86.7	0.06	8.06	90.8				91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
> 2500		91.7	0.86		10		97.5	97.5	97.5	97.5	1.		1.	7.	97.5	97.5
> 2000		93.3	2.96	97.8	1.	-		99.2	2.66		6	6				2.66
> 1800		93.3	1.96	97.5	97.5			99.2	2.66	99.2	99.2	0	99.5	99.3	2.66	2.66
		93.3	1.96	97.5	00	0	100.0	100.0	100.0	0000	100.001	00.00		0	0	0.00
> 1200		93.3			30	0	0.001	100.0	0.001	0.001	0	100.00	•	ċ	0.001	0.00
		93.3	1.96		30	96.5	100.0	100.0	100.0	100.0	0	0	0	0	0	0.00
006		93.3	200	97.5		0	100.00	0000	100.0	00001	0	0	0.001	0	0.001	0.00
-		93.3	7.06	97.5	98.3		100.0	100.0	100.0	0.001	0	0	0	100.001	0.001	0.00
		93.3	1.96	0.	00	0	100.0	100.0	0.001	100.001			0	0	00001	0.00
009 1		93.3	96.7	97.3	98.3	6	100.0	100.0	100.0	100.0	100.001		10000	100.001	0.001	0000
200		93	1.96	97.5	68.36	0	100.0	100.0	100.0	0.001	100.001	•	0.001		0000	0000
۱۸ 400		93.3	1.96	97.5	30	0	100.0	100.0	100.00	100.001	0		0	100.001	0	0.00
300		93.3	1.06	97.		0	100.0	100.0	100.001	100.0		0	100.00	0	•	0.00
		93.3	06.7	61.3	98.3		100.0	100.0	100.0		0			0		000
80		m e	7.00	97.0	000	0.0		100.00	•	0.001	00.00	0.00	0.001	100.00	00.00	0000
1		73.3					0.00	0.004	0.001	5	5	2	200	0	•	000

TOTAL NUMBER OF OBSERVATIONS

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CHARLESTON, SOUTH CARDLINA NWSED 73-76

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH HOURS (LST.)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	5	۰ ۸۱	۶۰ ۸۱	4	ε Al	≥ 21/2	7 7	V1 7/2	VI 74	- AI	VI %	*	% AI	≥ 5/16	VI Z	٨١
O CEILING			0			140	65.8	120 G	10	MO 6	10		in c	w 0	50	65.8
20007		0	0	0	0			4	0	0	0	0		0	•	
≥ 18000		75.8	80.0	80.0	80.0	0.00	0.00	80.0	80.0	80.0		•	5	0000	80.0	80.0
N 16000		75.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0	80.0	80.0	80.0
2 14000		76.7	80.8	80.8	80.8	80.8	80.8	80.3	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 12000		76.7	80.8	80.8	80.8	80.8	80.8	80.3	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
Z 10000		0		84.2		84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
0006 ~		80.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
0008		*	87.5	87.8	87.5	5 7 5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
2 7000				89.2		89.2		89.2		89.2	89.2	89.2	89.2	89.2	89.2	89.2
0009 1			88.3	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	6	89.2	89.2
> 2000		10		8.06		90.8		90.8	90.8	8.06	90.8	8.06	8.06	8.06	90.8	8.06
× 4500				80.8		90.8	8.06	90.8		90.8	8.06	8.06	8.06	90.8	90.8	90.8
4000		200		91.7	91.7					91.7	91.7	91.7	41.7	91.7	91.7	91.7
> 3500		10		7.16	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	41.7	91.7	91.7	91.7
3000		35.8		91.7		91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2 2500		87.5	63.3	95.0	95.0	95.0	95.0	95.0	95.0	0.56	0.56	98.0	•	95.0	0.56	0.56
≥ 2000		87.5	03	98.0	95.8	95.00	95.8	95 8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800		87.5	93.3	99.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.0	95.8	\$ 5.8		95.8
≥ 1500		90.0	50	5. 16	98.3	98.3	98.3	98.3	98.3	98.3	98.3		6.86	98.3	98.3	98.3
		0.06	95.00	97.5		98.3	8.36	98.3	00.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
Z 1000		90.0	95.6	97.5	99.2	99.2	2.66	99.2	99.2	99.2	2.66	6	2.66	99.2	2.66	99.2
006		0.06	95.6	97.5	99.2	99.2	2.66	99.2	99.5	366	36.5	80.5	2.66	99.2	2.66	86.6
008		90.0	95.8	97.5	99.5	99.2	99.2	2.66	99.2	99.5	3.66	99.5	99.5	89.5	2.66	99.5
		0.08	0.50	97.5	99.2	99.2	99.2	2.66	99.2	89.5	99.5	30.5	68.5	99.2	2.66	2.66
009		90.0	95.8	97.8	2.66	99.2	100.0	100.001	100.00	100.001	100.001	10000	10000	100.00	100.001	0.00
		0.06	99.60	6.7.8	99.2	99.2	100.0	100.0	100.001	100.01	100.001	10000	100.00	100.0	100.001	0.00
V 400		90.0	95.8	0.10	99.5	99.2	100.0	100.0	100.0	100.0	100.001	10000	100.0	100.0	100.001	0.00
		90.0	0.50	97.5	99.2	99.2		100.0	100.001	100.001	100.001	100.001		100.00	100.001	0.00
> 200		90.0	93.00	97.9	99.2	99.2	100.0	100.00	100.001	100.001	100.001	0	100.0	100.0	100.001	0.00
001		90.0		97.8	99.2	99.2	100.0	100.0	100.001	100.001	100.001	0	00	100.00	100.001	0.00
0		90.0	95.8	61.6	99.5	99.5	100.0	100.0	100.001	100.001	100.001	100.001	100.0	100.0	100.001	0.00

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NAVWEASERVCOM

TOTAL NUMBER OF OBSERVATIONS

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22 HOURS (L S T.)

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CEILING							VIS	VISIBILITY (STATUTE	ATUTE MILES	ES)						
(FEET)	0 1	٨١	۷۱ کو	VI 4	δ. VI	> 2%	71	VI 27.	VI 2,1	Ā	% AI	a₹ Al	٧١ ٪	≥ 5/16	VI %	٥
NO CEILING				73.3		ent.		100			73.3	73,3	3.	•		3.
> 20000		0	0	80.0	80.0	80.0	80.0	80.0	80.0	•	0	0	0	0		0
7 18000		20.07	80.0			0		0		80.0	80.0	80.0	80.0	90.0	80.0	80.0
> 16000			0	80.0	80.0	80.0	80.0	80.0	80.0	•	0	0	0	0	•	0
> 14000			0	0	0		0			ं	0	0	0	0	0	0
2 12000		0.08	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	0		80.8	80.8	80.8
V 10000				en.			500	113			3	3.	3	3.	3	
0006 1			-			83.3	63	53		63.3	63	3	3		3	83.3
			-	87.5	87.5	•	7	87.5	87.5	-	-	7.	1.	87.5	-	
2 7000					0	89.2	89.2	89.2			6	6	0	0	6	
1		-	0	0	0		0		•	5	6	6	6	6	6	
0005					89.2		89.2	2.68	89.2	0	6	6		6		
1		-	0	0	0	600		S	89.2	0	6	6		89.2		89.2
1 4000			0	90.0	0.06		0.06	90.0	0	0	0	0				
			0.06					0	0	0	0	0		0	0.06	
3000				91.7		91.7	7.16	91.7	51.7		-	-		-		
			(1)			3	3	3	3	503	3.	3		5		
7 2000			10	98.0		10	95.8	95.8	95.8	\$	100	2	•	100		
		-	10			101	15			¥7)	10	5				
> 1500		15	98.3	98.3	6	6	99.2		0	0	6	6		0		
			00	98.3	2.66	2.66	6	2.66		39.5	99.5	80.5	2.66	88.5	36.5	36.5
V 1000			•	98.3	6	0	2.66			0	0	6		6		
006 1			98.3	98.3	6	6			6	0		6				
> 800		.0	3		6	0	7.66		6	0		6		0		
			•		6		366		99.5	0	0	6		6		
009				•		9.2	100.0	100.001	100.0	0.0	00	0.0	00	0	100.001	
2 500		-	98.3	98.3	6	6	0.001	100.001	100.0	0.0	0	0.	100.00	.0		
VI 400			00	•		0	100.001	100.001	100.0	0.0	00	0.0	00	0	0.001	0.00
		00 50	98.3		6	0	100.0	100.00	100.0	100.0	0	0.0	00	0000	0000	0.00
1 200					66.5	99.2	0.001	100.0	100.0	0	100.0	100.0	100.0	0	0.001	0.00
71		00	98.3	86	99.5	99.2	0.001	100.0	100.0	•		100.0	100.0	0.00	0.00	0.00
-		00		•	2.66	266	0.001	0000	100.0	1000	0.001	100.001	0.001	0.001	0.00	0000

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TOTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY JAN 68

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CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

CHARLESTON, SOUTH CAROLINA NWSED

(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

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CEILING (FEET)

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86.7 86.7 8 86.9 86.9 8 87.4 87.4 8 90.3 36.5 86.5 85.4 85.4 88.8 86.5 88.8 87.3 86.6 88.7

86.3

36.2 86.2 8 86.4 86.4 8 86.6 86.6 8

36.2

85.0

94.5 94.5 94.6 93.0 90.3 65.6 3.06 86.6 86.6 86.8 90.2 86.5 88.7 88.7 86.4 86.4

88.4 86.5 90.0 90.0 90.1

88.2

87.1 87.1

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98.3 98.4 94.6 97.2 6.56 97.1

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98.7 6.16 6886 97.1 97.1 9 97.3 97.3 9 98.2 98.2 9 98.5 4.46 65.6 94.5 94.5 90.2 98.5 4.46

97.1 97.1 97.2

97.1

96.4 96.7

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96.6 97.6 6.79

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TOTAL NUMBER OF OBSERVATIONS

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13758 STATION

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1234-18766

CEILING VERSUS VISIBILITY JAN 68

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NAVWEASERVCOM

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CHARLESTON, SOUTH CAROLINA NWSED 73,75

HOURS (LST)

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CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	VI 0	11	۶۵ ۸۱	4	۸I	≥ 21/2	71	VI 2/2	VI 7/2	- AI	% AI	*	25 VI	> 5/16	VI VI	0
NO CEILING		45	37.3	50.0	58.00	59.7	59.7	1.65	59.7	50.7	59.7	59.7	59.7	59.7	59.7	59.7
1 18000		o eu e				-		71.00			71.00	71.8	-	71.8	4	711.8
1 14000				e ev e	400				101			13.4		13.4		73.4
0000		0 1-1			35.	2 00 0		18.2	78.2					1 20 00		
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		75.8	83.1				87.1	0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	87.2		37.00	0		87.2	0	87.1
VI VI 5000 5000			co 10	1. 1.		87.9		2.			87.9					
VI VI 4500 4000			00 00 00 00	87.1	87.1	87 9	87.9	87.9	87.9		87.9	87.9	87.9	0.0	87.9	87.9
3200			9 8	88.1	88.7	87.9	87.0	89.0	0.00	89.5	0.00	89.5	89.9	89.5	89.9	89.9
			-00	ONE			- 4	4	. 4	- 4						
								94.0		97.6	97.0	7 - 1	* ~ ~	07.0	5 - 1	97.0
		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100		96.00	9 9 9 9	0 4 4	98.4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		- 30 CO	4 4 4 5	- 10 10	. m . m		
1/1 /1/		444						0.0.0			99.5	0000	0.00	000	0.00	000
				0.00	000	000	99.2	0.0	00		00	9.5	00	000	000	
300		84.7	92.7	96.0	96.0	96.89 96.8	2000	99.2	99.2	99.2		99.2	100.001	100.001	00	00.00
80	*	84.7	92.7	96.0	96.0	96.8	99.2	99.2	99.2	99.5	2.66	99.2	100.001	100.001	00.00	00.00

TOTAL NUMBER OF OBSERVATIONS

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NAVWEASERVCOM

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CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE	STATION NAME	YEARS
	PERCENTAGE FR	EQUENCY OF OCCURRENCE

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	2	۱۸	۶۶ ۸۱	VI 4	N N	> 21/2	۵ ۸۱	۷۱ ۲٪	VI 2.1	ĀI	% AI	≫. Al	νς ΛΙ	≥ 5/16	VI 34	٨١
NO CEILING		89 89	57.3	50.7	61.3	61.3		61.3	61.3	61.3	61,3	61.3	-	61.3	61.3	61.3
N 20000		100 100 100 100	64.5	66.99	68.6	68.6	68.6	68.6	68.6	-		2		68.6	9.89	68.0
7 18000		000	65.3	67.7	4.69	4.69	4.69	69.4	4.69	4.69	4.69	5.69	4.69	4.69	5.69	9.69
> 16000		50.00	65.3	67.7	4.69	60.4	4.69	69.4	69.4	4.69	69.4	4.69	4.69	4.69	4.69	69.4
7 14000		0.00	65.3		4.69	4.09	5.69	4.00	4.69	4.69	4.69	9.69	4.69	4.69	5.69	69.4
2 12000		58.9	65.3	67.7	4.69	4.69	4.69	4.69	4.69			5.69	69.4	4.69	5.69	4.69
V 10000		61.3	4.69		73.4	73.4	73.4	73.4	7364	73.4		73.4	73.4	73.4	73.4	73.4
0006 <		02.1	71.0	73.4	75.0	78.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
		67.7	76.6	79.3	81.5	-	81.5	61.5	81.5	81.5			81.5	001	81.5	31.5
> 7000		68.6	77.4		82.3	82.3		60	82.3			82,3	82.3	82.3	82.3	82.3
		4.00		61.8	83.1		83.1	09	83.1	03	127	83.1	83.1	83.1	m	3.1
> 2000		4.00	78.2		3.1	50	83.1	83.1	83.1		83,1	83.1	63,1	83.1		83.1
		70.2	79.0					0.00	83.9		93.0	83,9		83.9	83.9	83.9
× 4000		71.0	79.8		84.7		84.7	34.7	84.7		. 47		84.7		84.7	84.7
		71.8			33.5	w.	85,8	5	55.5	30	35.5		0	85.5	85.5	85.5
> 3000		13.4	52	127	87.1	-	87.1	87.1		7	1	87.1		1.	-	
> 2500		73.4	#s		1.	87.9	97.9		87.9	0.7.0		6.48		61.6		87.9
		73.4	0.58		*	0	89.5	90.3	90.3	0	80.3	80.3	0	90.3	0	90.3
7 1800			63.9		30.00	0.0	89.5	90.3	90.3	80.3			•	90.3	0	90.3
- 1		75.6	37.1		N	80	93.0	94.4	94.46	4.46	*				*	
2 1200		76.6			10	93.6	5.56	2.56	95.2	95.2	95.2		5	95.2		95.2
	-	77.4	88.		4	*		0.96	0.96					0.06		
006		17.4	000	•	. 4	4.46	3.56	0.03	0.96	0	0.06	0.96	700	96.0	0.96	0.96
		78,2		*	5	121	96.8		97.6				0.16	97.6		97.6
2 700		7.00		93.6	10	N .		91.6	91.6	97.6	0.10		0.16	91.0		97.6
		78.2	89.5				96.8	9.46	9.1.6		97.6			91.6		97.6
> 200		78.2	89.5	93.6	95.5	95.2	9.10	98.4	98.4	4.86	98.4	4 86	4.06	4.86	4.86	98.4
1 400		78.2	90.3		96.8		3.66	10000	0.00	100.0			100.0	100.01	0.00	0.00
300		78.2	6.06	9.0		96.8	99.2	100.00	0.001	100.0	100.001	100.001	100.001	100.001	00.00	0.00
200		78.2	90.3	98.2	00.0		99.2	100.0	0000	100.0	100.001	100.0	1000	100.001	00.00	0.00
80		78.2	90.3	95.2	9	96.8	99.2	100.001	0.001	00	100.001	0	10000	100.001	0.00	00.00
- 1		78.2	90.3	95.2	96.8	96.8	99.2	100.001	0000	100.0	100.001	100.001	100.0	100.01	00.00	00.00

TOTAL NUMBER OF OBSERVATIONS

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TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED 73-76

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HOURS (LST.) MONTH

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES	ES)						
(FEET)	VI 0	٨١	۷۱	۷۱	٨١	≥ 2½	7	21 72	VI VI	<u></u>	۸۱ ۸۱	з ғ ∧І	AI	2 5/16	VI 34	٥
NO CEILING		25.8	40.3	44.4	48.4	2.64		51.6	51.6	51.6	91.6	51.6	51.6	51.6		
7,0000		4		55.	0	-	62.1		62.9	-		0	0			65.3
2 18000		127		55.7	0	•	62.1	65.3				17	3	*	64.5	
> 16000		in		58.3	0	60.5	62.1	150	62.9	63.7	63.7	103	63.7	617	64.5	65.3
> 14000		.0	-	56.5	0		65.8		553	4			64.5		65.3	
> 12000		-		50	62.1	62 6	\$. 40		65.3	66.1	66.1	66.1	66.1	66.1	6.99	67.7
× 10000		60.0	9	60.5	*						0	6	5		0	71.0
0006 1			58.1	62.1		6.00	4.69	70.2		71.0	71.0		71.0	71.0		N
			64.5						50	79.0	5	0		0	6	0
0002		46.8	66.1	71.8	76.6	77.4	79.8	80.7	80.7	81.5	81.5	81.5	31.5	81.5	82.3	83.1
1		9			.0					-	-				2	3
2 2000		1	60.00	72.6	78.5		81.5	82.3	82.3	10	173	8	5	0	8	*
		4.8.4				79.8				83.9	83.9	6		83.9	*	5
1 4000		022	67.7	73.4	79.0	79.8		83.1	63.1		on	3	3	(*)		5
		0			0			+	. 49	10	3	5	0	5	. 9	1.
3000			71.0	76.6	1 6 8		86.3	87.1	87.1	-	-	7.		-	8	6
			-		(0)	100	0			7.					8	6
> 2000		52.4	71.8	78.2	9	67.1			000						:	2
		N		78.2	86.3		89.5	90.3		-	-		-		-	92.7
> 1500		2		8.64		89.5		0	92.7	100	3	m	9			153
		100				0	92.7		93.6		*	*	. 4		0	9
0001 <		53.2		80.7	6	90.3	92.7	93.6	93.6	4.96	4. 46	*	*	*	3	9
		*				-	93.6		4.46	5	5	5	0	3	.0	.9
008			75.8		92.7		0.96	96.8			-	1.	-	-		6
		*			92.7			96.8			97.6	1	-	-		0
000			75.8	83.9	92.7	93.6	0.96	96.8	96.8	97.6	97.6		-	91.6	486	. 6
		*		83.9	92.7			97.6		900	4.86		3	80	2.66	0
400		3	75.8	83.9	92.7	93.6	96.8	97.6	97.6		4.86		98.4	98.4	8.66	0
		*	75.8	83	92.7	93.6	8.96	97.6	97.6		4.86	98.4		0	6	0.00
2 200		54.3	75.8	83.9	92.7	93.6	96.8	97.6	91.6	98.4	98.4				8.5	00
8		54.8	75.8	63.9		00		97.6	9.10	4.86	98.4	4.86	4.86	4.86	99.2	100.0
٥				•		•	.0	-		40	4.86	00		00	8.6	00

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(FROM HOURLY OBSERVATIONS)	VISIBILITY (STATUTE MILES)
HOURLY	
FROM	

PERCENTAGE FREQUENCY OF OCCURRENCE

CHARLESTON, SOUTH CARDLINA NWSED

13758 STATION

							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
71	٨١	\$5 AI	VI 4	۸I	ΛI	21/2	7	۷۱ ۲۱%	VI 2.7	- -	٧١ ٪	*	Z AI	≥ 5/16	VI %	٨١
	32.3	43.6	48.2	40.	94 0	0	46.0	46.0	0.94	46.0	46.0	0.94	46.0	46.0	0.94	46.0
	43.6	54.8	56.5	57	3 57	EX.	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
	44.4	55.7	57.	58.	1 58	-	58.1	58.1	58.1	58.1	300	58.1	58.1	58.1	58.1	1.88
	44.4	55.7	57	58	1 58	-	58.1	58.1	58.1	58.1	38	58.1	58.1	58.1	58.1	58.1
	43	56.5	50.0	59	1 59		59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
	46.0	57.3	50	60	5 60	5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
	47.6	59.7	62.1	62.	9 62	6.		65.9	65.6	65.9		65.9	65.9	65.9	65.8	65.9
	50.0	62.1	64.5	65	3 05	33	65.3	65.3	65.3	65.3	65.3	65,3	65.3	65.3	65.3	65.3
		66.1	69.4	70.	2 70	2.	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
	9	69.4	72.6	73.	4 73	4	73.4	73.4		73.4	73.4	73.4	73.4	73.4	73.4	73.4
	56.5	4.69	72.6	73.	4 73	4.	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
	57.3	70.2	73.4	74.	2 74	2.	74.2	74.2	74.2	74.2	74.5	74.2	74.2	74.2	74.2	74.2
	000	71.0	74.2	75.	0 75		75.0	75.0	75.0			75.0	75.0	75.0	75.0	75.0
		73.4	76.6	77.	17 4	4	77.4	7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
		74.2	77.4	78.	2 78	2.	78.2	78.2	7		78.2	78.2	78,2	78.2	78.2	78.2
	61.3	75.8	79.0	19.		80	79.8	79.8	79.8		79.8	79.8	4.64	79.8	79.8	79.8
	66.1	80.7	84.7	85.	5 85	30	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
	68.6	84.7	89	06	3 90	60	90.3	90.3	90.3	90.3	90.3	80.3	90.3	90.3	90.3	90.3
	68.6	84.7	6.00	06	3 90	(5)	90.3	90.3	90.3	90.3	90.3	80.06	90.3	90.3		90.3
	75.00	91.9	91.6	. 98.	66 5	N	99.2	99.2	99.5	99.2	2.66	366	99.5	99.2	36.5	99.5
	13 13 13	91.9	97.6	98	66 4	N	3.66	99.2	89.5	99.2	2.66	99.5	2.66	99.2	99.2	99.2
	78.00	616	97.6	96	66 4	2.	2.66	99.2	2.66					6	36.5	2066
	75.8	616	97.6	. 98	66 5	evi.	2.66	3.66	99.2	2.66	2.66	3.66	366	6	86.5	366
	75.8	91.9	97.6	98	66 7	2	2.66	99.2	99.2	89.5	2.66		2.66	89.2	2.66	99.2
		92.7	98.4		2100	0	0.00	100.0	100.00	100001	100	100,001	100.0	100.0		100.0
	76.6	92.7	98.4	66	2100	0	00.00	100.0	100.001	100.0	0,0010	000	0.001	0.00	100.0	100.0
			486		2	0	0.00	100.001	100.001	100.00	00	0	100.001	00.00	100.0	100.0
	76.6	92.7	4.36		2	0	0.00	0000	100.00	0	00	0	100.001	00.00	100.0	-
	76.6		4.86		CU	0	0000	0.001	100.001	100.001	100.001	0100.0	100.001	100.00	100.0	100.0
	76.6	92.7	98.4	66	.2100.	0	00	0.0010	100.0	100.00100.	0.001	00.00	0.001	0100.0100.0100.0100.0	100.0	-
	76.6		49.86	66	2100.		.00	0.0010	100.001	100.0100.0100.0100.0100.0100.	100.0	0000	100.0	100.0	100.0	0100.0
	76.6	92.7	98.4	66	2100 0	-	0.00	00.0100.0	100.0100.0100.0100.0100.0100.0100.0100.	100.0	100.0	0000	100.0	100.0	100.0	100.0

4500

3000 2500

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1800

1200 800 200 500

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300 80

5000

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CEILING VERSUS VISIBILITY

AND THE REAL PROPERTY.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED 73-76

X V Z	HONTH	13	HOURS (L S T
			1

CEILING							2	(3)	VISIBILITY (STATUTE MILES)	(6.1						
(FEET)	0 1	9	\$ 1	4	, AI	≥ 21/2	7	¥ 1%	VI 7.1	- AI	ΛI	*	ς. ΛΙ	≥ 5/16	VI N	AI
NO CEILING		33.9	36.3	36.3	7.	37.1	1.	37.1	37.1	37.1	37.1	7.	1.	37.1	37.1	37.
₹ 20000		50.0	54.0	54.0	54.8	54 8	34.8	54.8	54.8	54.8		54.8		54.8		54.
7 18000		000	54.8	24.8	55.7	55	55.7	55.7	55.7	55.7	55.7	55.7	55.7	53.7	55.7	35.
≥ 16000		50.8	54.8	54.00		55.7	58.7	59.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.
7 14000		50.0	55.7	55.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	50.5	56.5	56,5	56.
≥ 12000		52.4	57.3	7.	58.1	200	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	100
		53.2	100 100 100 100 100 100 100 100 100 100	58.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	53
0006		53.2	88.5	58.1	58.0	58.9	58.9	58.0	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58
ł.		55.7	62.1	62.1	62.9	62.9	62.9	65.9	62.9	65.9	65.8	65.0	65.9	65.9	65.9	62.
7000		50.00	65.8	65.0		63.7	63.7	63.7		63.7	63.7	63.7	63.7	63.7	63.7	60
1			62.9	62.9		63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63
2000		50.5	65.6	67.9	63.7	63.7	63.7	53.7	63.7	63.7	63.7	63.7	63,7	63.7	63.7	63
1			65.9	65.0		63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63
4000				56.1		6.99	6.99	6.09	6.99	6.99	6.99	6.99	6000	6.99	6.99	99
1		6.99		73.4	*				4		74.2	74.2	74.2	74.2	74.2	
3000				50		84.7	B4.7			84.7	84.7	84.7	84.7	84.7	84.7	40
		78.2	36.3		88.7		88.7	88.7	88.7	88.7	88.7	88.7		88.7	88.7	88
> 2000			87.1	88	90.3	90.3	90.3	90.3	0	90.3	90,3	80.3	90.3	90.3	90.3	06
			87.1	6.00	90.3		90.3	90,3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	06
> 1500			4.46	8.96	90	98.				98.4	98.4	98.4	98.4	98.4	4.86	98
		84.7	0	97.6		99.2	366	2.66	99.2	99.2	99.2	86.5	2.66	99.2	88.5	66
0001 ×1		85.5	0.06	98.4	100.00	0.001	100.0	100.0	100.0	100.0	100.0	0.0	00	100.0	0.001	100
		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0.96	4 36	100.001	0000	100.001	0.001	100.0			100.0	100.0	100.0	100.0	100
008		5.5	0.96	4 86		100.0	0	0.001	100.0	100.0	100.0	100.0	100.0	100.0	100.00	100
		88.5	96.0	4 86	100.001	0.001		0.001	0	0		100.0	100.0	100.0	100.0	
9		35.38	0.96	98.4	100.001	0.001		100.00	100.0	100.0	100.0	0.001	100.0	100.0	100.0	100
			0.96	4 86		0000	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100
1 1			0.96	4.80		0.001		100.0	100.0	100.0		0	100.0	100.0	100.0	100
			0.96	4 50		0000		100.0	100.0	0			10000	100.0	100.0	0
500				4.86		0000	100.0	100.0		0		0	0	100.0	100.0	100
90		00 c	0.96	4 800	100.00	0.00	0.001	0.001	100.0	0.001	100.0	100.0	0.001	100.0	100.0	100
		3		177	į											

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

13758 STATION

The state of the s

CHARLESTON, SOUTH CAROLINA NWSED 73-75

PERCENTAGE FREQUENCY OF OCCURRENCE	
(FROM HOURLY OBSERVATIONS)	SHOOM

2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.	2 45. 3 45. 3 45.	VI 00 VI 01	A1	۸۱	1		N AI	N 21/4	V VISI	IBILITY (ST	VISIBILITY (STATUTE MILES)	FS)	AI	<i>≱</i> * ∧I	% Al	5/16	NI N	٥
7 57.7 67.7 67.7 67.7 67.7 67.7 67.7 67.	7 57.7 67.7 67.7 67.7 67.7 67.7 67.7 67.	42.7 44.4 44.4 45.2	2.7 44.4 44.4	4.44	40	45.2		45.2	100	W 1	10.	in r	5	10.	5	201	45.2	
7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67	7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67	2.1 66.9 66.9	2.1 66.9 66.9 67.7	.9 66.9 67.7	6.9 67.7	7.7	0	7.7	67.7	67.7	67.7	67.7	67.7	7.	10	67.7	67.7	67.7
7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67	7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67	62.1 66.9 66.9 67.7 6	2.1 66.9 66.9 67.7	9 66.9 67.7	6.9 67.7	7.7	0	1.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	
2 70.2 70.2 70.2 70.2 70.2 70.2 70.2 70.	2 70.2 70	62.1 66.9 66.9 67.7 67	2.1 66.9 66.9 67.7	.9 66.9 67.7	6.9 67.7	7.7	0	1.	67.7	67.7	67.7		67.7	-	67.7	67.7		
2 70.2 70.2 70.2 70.2 70.2 70.2 70.2 70.	2 70.2 70.2 70.2 70.2 70.2 70.2 70.2 70.	62.1 66.9 66.9 67.7 67	2.1 66.9 66.9 67.7	6.9 66.9 67.7	6.9 67.7	67.7 67	67	7	67.7	67.7	67.7	1	67.7	7		-		
2 70.2 70.2 70.2 70.2 70.2 70.2 70.2 70.	2 70.2 70.2 70.2 70.2 70.2 70.2 70.2 70.	63.7 69.4 69.4 70.2 70	3.7 69.4 69.4 70.2 7	9.4 69.4 70.2 7	.4 70.2 7	70.2 70	30	2	70.2	70.2	70.2			0		0		70.2
8 73.4 73.4 73.4 73.4 73.4 73.4 73.4 73.4 73.4 73.4 73.4 73.4 73.4 73.4 75.8 75	8 73.4 73	03.7 69.4 69.4 70.2 70	3 7 69 4 69 4 7	7 4.	7 4.	70.2 70	70	c/i	70.2	70.2	70.2			0		70.2	70.2	70.2
8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.	8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.	66.9 72.6 72.6 73.4 73	6.9 72.6 72.6 73.	6 73	6 73		5	4		73.4	73.4			-	73.4			73.4
8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.	8 75 8 75 8 75 8 75 8 75 8 75 8 75 8 75	38.6 74.2 75.0 75.8 75	8.6 74.2 75.0 75.8 7	.2 75.0 75.8 7	75.8 7	5.8 7	13	60	3	75.8	5			3	75.8	3	•	75.8
8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.	8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.	.0 75.8 7	8.6 74.2 75.0 75.8 7	.0 75.8 7	.0 75.8 7	.8	15	30	5	75.8	5			50		75.8		75.8
4 77.4 77	4 77.4 77	68.6 74.2 75.0 75.8 75.	8.6 74.2 75.0 75.8 7	.2 75.0 75.8 7	75.8 7	5.8 7	75	œ	10	•	in	•		5	•	75.8		75.8
4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77	4 77.4 77	4.2 75.0 75.	8.6 74.2 75.0 75.8 7	4.2 75.0 75.8 7	.0 75.8 7	5.8 7	75	90	5		5	5		100		•		75.8
3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.	3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 83.4 87.9 87.2 87	.6 77.4 7	5.8 76.6 77.4 7	5.8 76.6 77.4 7	.6 77.4 7	7.47	17	4	-	7		-	-	-	-			77.4
9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.	9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.	74.2 80.7 81.9 82.3 82.	.2 80.7 81.9 82.3 8	0.7 81.5 82.3 8	1.5 62.3 8	2.3 8		m.	2	cu	N	2	2	3	5 .	82.3	2.	
1 91.1 91	1 91.1 91	8	8 87.1 87.9 8	6.3 87.1 87.9 8	7.1 87.9 8	7.98		On.		-	-	-	-	87.				
1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91	1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91	7,9 88.7 89.5 8	0.7 87.9 88.7 89.5 8	7,9 88,7 89,5 8	8.7 89.5 8	9.5 8	680	in	6	cr.	6	6	0	68	*		6	
1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91	1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91	82.3 89.5 90.3 91.1 91	2.3 89.5 90.3 91.1 9	9.5 90.3 91.1 9	0.3 91.1 9	1.19	5	-	01.0		91.1	91.1	91.1		91.1			91.1
8 96.8 95.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96	8 96.8 95.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96	.3 89.5 90.3 91.1 9	2,3 89,5 90,3 91.1 9	9.5 90.3 91.1 9	0.3 91.1 9	1.1	5	~		91.1	91.1	-	91.1	-	-			91.1
4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.	4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.	5.2 96.0 96.8 9	7.1 95.2 96.0 96.8 9	5.2 96.0 96.8 9	6.0 96.8	6.8	96	80			0	9	96.8	.0	0	96.3	0	96.8
2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99	2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99	87.9 96.0 97.6 98.4 98	6.0 97.6 98.4 9	6.0 97.6 98.4 9	7.6 98.4 9	8.49		4.		0.3	98.4	00	98.4	8	*	00	9	
2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99	2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99	2.66 9.	6.8 98.4 99.2 9	6.8 98.4 99.2 9	8.4 99.2 9	6 2.6	66	~		3	99.2	6	2.66	6		0.		2.66
2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99	2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99	.4 99.2 9	6.8 98.4 99.2 9	6.8 98.4 99.2 9	8.4 99.2 9	9.2 9	66	· 17	3.66	0	2.66	0	3.66	6		3.66		
2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99	2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99		6 8 98.4 99.2 9	6 8 98.4 99.2 9	8.4 99.2 9	6 2.6	66	0	2.66		3.66	0	99.5	6	8.5	0	3.66	2.66
2 99.2 95.2 99.2 99.2 99.2 99.2 99.2 99.	2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99	6.8 98.4 99.2 9	8.7 96.8 98.4 99.2 9	6.8 98.4 99.2 9	8.4 99.2 9	9.2 9		2	99.2			0	6	6		0		3.66
0100 • 01	0100 • 01	88.7 96.8 98.4 99.2 99	6.8 98.4 99.2 9	6.8 98.4 99.2 9	. 4 99.2 9	9.2 9		2		O.	2.66	6		6		6	6	
01.00 - 01.00	01.00 - 01.00	8.7 96.8 99.2100.010	8.7 96.8 99.2100.010	6.8 99.2100.010	9.2100.010	010.		0				0		100.		.0		0.00
0100-01	01.00 • 01.00	88.7 96.8 99.2100.0100.	8.7 96.8 99.2100.010	6,8 99,2100,010	9.2100.010	0.010		0		0		0.0	00	100.		0		0.00
010.0010.0100.0100.0100.0100.0100.0100.0100.0100.010	01.00.	88.7 96.8 99.2100.0100	8.7 96.8 99.2100.010	.8 99.2100.010	9.2100.010	.010	00	0			100.001	0.0	000	100	100.0		0	00.00
	100.0100.0100.0100.0100.0100.0100.0100.0100.0100	88.7 96.8 99.2100.0100.	8.7 96.8 99.2100.010	6.8 99.2100.010	9.2100.010	00.010	00	0	-	0		0.0	00	100.	100.0	0	100.001	0.00

TOTAL NUMBER OF OBSERVATIONS

CHARLESTON, SOUTH CAROLINA NWSED 73-70 13758 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

CELLING							NISIA	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	71	۰ ۸۱	8	4	e VI	> 21/2	1 2	٧١ ٧٧	71	-	VI %	*	γ, ΔΙ	2 5/16	2	٨١
NO CEILING		46.0	50.0	50.8	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
V 18000			10	9	-	1	-		1	1	7	2	-	1	7.	-
≥ 16000			65.3	6.99		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
2 14000		57.3	66.1	67.7	68.6	68.6	68.6	68.6	68.6	68.6	68.6		68.6		00	68.6
> 12000		58.1	66.9	60.6		4 69	66.69	69.4	69.4	4.69	69.4	4.69	69.4	4.69	4.69	69.4
N 10000		58.9	68.6	70.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0		77.0	71.0	71.0	71.0
0006		60.5	70.2	71.8	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
N 8000			.0	78.8		79.0	79.0	79.0	79.0	79.0			3		29.0	79.0
		70.2	80.7	82.3	83	63.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
		70.2	80.7	82.3	83.1	E (3)	83.1	83.1	83.1	83.1				83.1	83.1	83.1
> 2000		71.0	81.9	83.1	83.9	83.9	83.9	83.9			83.9	83.9	83.9	83.9	83.9	83.9
		72.6	83.9	85.5	86.3	86.3	86.3	86.3	86.3	86.3		.9	86.3	86.3	86.3	86.3
× 4000		72.6	83.9	8.8	86.3	86,3	86.3	86.3		86.3	86.3	86.3	86.3	86.3	86.3	86.3
		73.4	84.7	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	-	87.1	87.1
> 3000		75.8	87.1	88.7		66.5	60.3	60.0		90.3	6.06	90.3	8006	0	80.3	80.3
		76.6	88.7	91.1		91.9	1.76	92.7	92.7	92.7	92.7	92.7	92.7		92.7	92.7
> 2000		78.2	90.3	92.7	93.6	93.6	4.46	4.46	94.46	4.46	4.46	94.4	5. 56	4.46	4.46	94.4
		78.2	80.06	92.7		93.6	4.46	4.46	4.46		4.46	4.46			34.4	4.46
> 1500		80.7	4.46	96.8	98.4	98.4	866	3.56	99.2	99.2	99.5	99.2	3.66	89.5	36.5	89.2
				96.8				3.66	99.2	•		99.2	2.66	99.2	3.66	99.5
2 1000		80.7	4.46	91.6	99.5	99.2	100.001	0.00	100.0	100.001	0	100.00	100.001	100.001	0	0000
			4.40	97.6	99.5	99.21	100.001	0.00	100.001	100.001	100.0	100.001	100.001	100.001	0.00	0
008		80.7	4.46	97.6		99.2	100.001	0.00	100.001	100.001	100.00	100.001	10000	100.001	10.001	0.00
		80.7	4.40	9.16	266	99.2	100.001	0.00		0.0	100.0	100.001	100.001	100.001	0.00	0000
000		80.7	4.46	94.6	99.5	90.21	100.001	0.00	0	100.001	100.00	100.001	100.001	100.001	100.00	0.00
2 500			4.46	97.6		2 66	100.001	0.00	100.0	100.01		100.01	100.001	100.01	0.00	0.00
004		80.7	94.46	97.6	2.60	99.21	100.001	0000	100.0	100.001	100.0	0	0	100.001	100.001	00.00
300		80.7		94.6		•	100.001	00.00	100.001	•	100.00	0.0		0	0.0	0
		80.7	4.46	97.6	6	99.2	0000	0.00	100.0		00	0.0		0.0	0	0000
81			4.46	94.6		99.2	100.001	0.001	•	100.001	10000	0	0	100.001	100.00	0.00
		80.7	94.4	97.6	96.5	99,21	100001	0000	100.001	100.00	100.0	100.001	100.001	100001	100.00	000

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TOTAL NUMBER OF OBSERVATIONS

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VISIBILITY
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CEILING
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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED

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CEILING (FEET)

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VISIBILITY (STATUTE MILES)

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72.6 0.64 86.3 86.3 88.7 61.6 80.3 86.3 86.3 0.64 70.2 70.2 84.7 70.2 86.3 0.67 72.6 88.7 73.4 86.3 86.3 86.3 6116 70.2 19.0 84.7 86.3 86.3 86.3 ۸۱ 72.6 0.64 79.0 86.3 86.3 86.3 86.3 70.2 80.3 80.3 70.5 84.7 616 88.7 72.6 0.67 86.3 86.3 86.3 73.4 79.0 84.7 6116 86.3 86.3 70.2 86.3 88.7 ۸Ι 84.7 70.5 0.64 86.3 72.6 70.2 79.0 86.3

19.0

19.0 84.7

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75.0 75.0 75.0

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CEILING VERSUS VISIBILITY JAN 68

86.3 86.3 86.3

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786 95.2 4.86 4.86 95.2 4.86 86.3 86.3 86.3 86.3 95.2 95.2 4.86 4.86 4.86 88.7 61.6 86.3 4 4 8 6 4.86 866.3 88.7 91.9 95.2 95.2 95.2 95.2 86.3 86.3 86.3 88.7 616 86.3

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0.0010.0100.0100.0100.0100.0100.0100.0100.0010.0010.00 0.0010.0010.0010.0010.0010.0010.0010.0010.001 4.86 4.86 98.4 4.86 4.86 4.86 4.86 98.4 4.86 98.4 98.4 98.4 98.4 98.4 88.5 486 4.86 4.36 4.80 4.86 4.86 98.4 98.4 98.4 98.5 4.86 98.4

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TOTAL NUMBER OF OBSERVATIONS

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NAVWEASERVOOM

13758

CHARLESTON, SOUTH CAROLINA NWSED 73-76

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)	

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	01 71	۸۱	۶۵ دو	۸۱ ۲	ε ΛΙ	> 21/2	N AI	V1 V2	VI %1	ĀI	% AI	≯ ₹ ∧I	γ N	≥ 5/16	VI N	٨١
NO CEILING		53.7	61.5	\$ 50 00 ft	6.64	50.1	50.3	4.08	50.4	4.00	50.4	50.4	50.4	50.4	50.4	50.
N 18000			~	20	4	87	0	423	3	kin.	5	3	3	5	5	150
≥ 16000			~	6		68.1	5		65.4		3	2	3		5.	
2 14000				64.7	5			4.99	9			66.5	60.5	66.5	. 9	. 99
≥ 12000			63.6				67.0		67.1	67.2	1	7	-	•	67.3	67.
N 10000			9		0	0					0				.0	
0006			-	4.69		70.8	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.4	71.5
			•						-	•	-	77.2	77.2		7.	77.4
7000				77.2		78.7	79.0	79.1	79.1	6	79.5	6		6		19.
			3	17.3	00		0		0		0		79.3		19.4	19.
2000			75.5	77.6		79.2	79.5	19.6	79.6		6	6				19.9
			100		6	G.	0			0	80.3		0	0	0	0
4000		66.5	76.8	79.2	80.7	60.0	2.18	63	81.3	-	:	-	81.4	-	81.5	-
		00			2	2		83.3		505			83.4		3	
3000		71.6		64.7	86.2	86.4			86.9	87.0	-		87.0		7.	87.2
				7	8			89.3			0	9.68	4.68	•	0	6
7 2000		74.5	0	89.3	91.1	-	91.8	ni.	92.0		92.1	5			92.2	
			86.0	0	-	-					2.		1.76	N		2.
> 1500		77.7		93.9	62.8			97.1	97.1		7	7	97.2		97.3	
			0	4	0	0		•	•		1		-			
V 1000		78.5	6.06	6. 56	6.96	97.2		98.1	98.1	98.2	98.2	8	98.2		98.3	98
			-		1.	-					00	00	96.3		98.4	
008				9.56	-	97.7	00		98.8	68.8	8	6.86	0.66	6	99.1	
		00			7		98.7	6 86			0		1.66	6	36.5	
009						97.8		68.9	98.9	0.66	0.66		99.1		2.66	
				98.6				36.5		66.3	0	66.3		6		
400		79.0	91.5	6.56		98.2	9.66	9.66	0.66	1.66	7.66	2.66	8.66	8.66	6.66	
		6	61.5	6.56		98.2	9.66	9.66	9.66	1.66		66.4		0		0
7 200			61.5	98.9	-			96.6	9.66		2.66				•	100
90			:		-	98.2	4.66	9.66	9.66	2.66	2.66	6	•	8.66		0
		79.0	91.5	6.96			4.66	96.6	9.66	1.66	1.66	2.66	9.66	99.8	6.66	100

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TOTAL NUMBER OF OBSERVATIONS

266

THE RESERVE OF THE PARTY OF THE

CHARLESTON, SOUTH CARDLINA NWSED 73-76

INCE	
ERCENTAGE FREQUENCY OF OCCURRENCE	SERVATIONS)
FREQUENCY	(FROM HOURLY OBSERVATIONS)
RCENTAGE	(FROM

2.10 2.6 2.5 2.4 2.7 1 47.9 47.9 47.9 47.9 47.9 47.9 47.9 47.9	CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
42. 0 44.5 47.1 47.9 47.9 47.9 47.9 47.9 47.9 47.9 47.9	(FEET)	5			27											NI NI	٥
49.6 53.8 57.1 58.0 58.0 58.8 58.8 58.8 58.8 58.8 58.8	NO CEILING			*		-	47.			-		7.	7		7	7.	
49.6 53.8 57.1 58.0 58.0 58.8 58.8 58.8 58.8 58.8 58.8	2 20000			E45	57.1	3	80	*	80	8	20	80	8	0			
49.6 53.6 57.1 58.0 56.0 58.8 56.8 56.8 56.8 58.8 58.8 58.8 58.8	2 18000		9.64	**	27.	8		8	00		8	·	8	3	58.8	58.8	58.00
53.8 58.0 61.3 62.2 62.63.0 63.0 63.0 63.0 63.0 63.0 63.0 63.0	≥ 16000			15	57.1		60	· an	8		90		8		5.8	58.8	58.8
53.8 58.0 61.3 62.2 62.2 63.0 63.0 63.0 63.0 63.0 63.0 63.0 63.0	> 14000		50.4	*		90		59.7		6		59.7		59.7		59.7	59.7
10000 5 8 6 5 0 0 0 4 0 7 2 0 7 2 0 8 1 0 6 1 0 8 1 0 6 1 0 8 1 0 6 1 0 0 1 0 0 0 0 0 0	≥ 12000		53.8			~	2	63.0	25	63.0		63.0		63.0		63.0	63.0
9000 556.8 653.9 67.2 68.1 68.1 68.9 66.9 68.9 68.9 68.9 68.9 68.9 68.9	7 10000		60	63.0	9	1	67.2	68.1	68.1	68.1		68.1				68.1	68.1
8000 67.2 73.1 76.5 77.3 77.3 77.2 78.2 78.2 78.2 78.2 78.2 78.2 78.2	0006 1		56.8		1	68.1	68.1	68.9	68.9	68.9			8	00	6.89	68.9	69.6
70.6 76.6 76.5 80.7 81.5 81.5 82.4 82.4 82.4 82.4 82.4 82.4 82.4 82.4			67.2	73.1	•	77.3	77.3	78.2	78.2	78.2		78.2	78.2	78.2	78.2	78.2	78.2
5000 70 6 76 5 80 7 81 5 82 4 <th< th=""><th></th><th></th><th>70.6</th><th>76.5</th><th>0</th><th>81.5</th><th>y-10</th><th>82.4</th><th>~</th><th>82.4</th><th></th><th>82.4</th><th></th><th>82.4</th><th>82.4</th><th>82.4</th><th>32.4</th></th<>			70.6	76.5	0	81.5	y-10	82.4	~	82.4		82.4		82.4	82.4	82.4	32.4
71. 4 77. 3 81. 5 82. 4 83. 2			70.6		0	51.5	81.5	82.4	2	2						82.4	82.4
71, 4 77, 3 81, 5 82, 4 82, 2 83, 2			70.6			31.5	61.5	82.4	est	82.4		82.4		82.4		82.4	82.4
71, 4 77, 3 81, 5 82, 4 82, 4 83, 2			71.4	77.3	-		£41	83.2			60				83.2	83.2	83.2
74.0 79.8 34.0 84.9 84.9 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7			71.4	77.3		2.	DV8	53.2	£13					83.2	83.2	83.2	83.2
74.8 80.7 84.9 85.7 85.7 85.7 85.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6			74.0		0.46	. 47		85.7				85.7		85.7		85.7	85.7
2500 81.5 84.0 88.2 89.1 89.1 89.9 89.9 89.9 89.9 89.9 89.9				80.7	40		35.7	•	9	9		86.6	86.6		86.6	86.6	86.6
2000 81.5 89.9 95.0 95.8 95.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6			76.5		00	89.1		0	0			6.68	6	6		89.9	6.68
1800 81.5 89.9 95.0 95.8 95.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6			01.5	6			150		9		9		90.96	9	96.6	96.0	96.6
1300 81.5 90.8 97.5 98.3 98.3 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99			81.5	0	0.96		95.8			. 9	0	. 9		0	96.6	96.0	96.6
1200 81.5 90.8 97.5 98.3 98.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2			100	8.06		98.3	60	99.2	6	99.2	6				99.2	3.66	2.66
7000 61,5 90.6 97.5 98.3 98.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2			(S)	-		98.3	8	2.66	0			89.5			88.5	3.66	3.66
800 81.5 90.8 97.5 98.3 98.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2			61.5	-	-	98.3	00		99.2	99.2		2.66		2.66	2.66	2.66	2.66
800 81.5 90.8 97.5 98.3 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99			81.3			98.3	900	66	99.2	0	0			88.5	2.66	366	30.5
700 81.5 90.6 97.5 98.3 98.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2			81.			98	00	2.66	0		6			•	2066		99.2
500 81.5 90.8 97.5 98.3 98.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2			61.5			000	•		0	6	•						2.66
500 62.4 91.6 98.3 99.2 99.210.0100.0100.0100.0100.0100.0100.010			81.5	0			02	.66	0	6					6	2.66	36.5
300 52.4 91.6 98.3 99.2 99.2100.0100.0100.0100.0100.0100.0100.01			82.4	-			0	100.	0						0	100001	0.00
300 82.4 91.6 98.3 99.2 99.2100.0100.0100.0100.0100.0100.0100.01						5	0	100	100.0		0					0000	100.0
200 82.4 91.6 98.3 99.2 99.21.00.0100.0100.0100.0100.0100.0100.0			•	-		6						.00	.00			0	100.0
0 82.4 91.6 98.3 99.2 99.21.00.0100.0100.0100.0100.0100.0100.0				-		6	5	-				000	00.0	0.0	000	0	10000
0 82.4 91.6 96.3 99.2 99.2100.0100.0100.0100.0100.0100.0100.01			82.4	-		0	0		0		0	0000	0	0000	00	00.00	0.00
	1			-	9	0	0		100.0		0	000	000	000	00	00.00	0000

TOTAL NUMBER OF OBSERVATIONS

	PERCENTAGE FREQUENCY OF OCCURRENCE
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CEILING	2						VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	VI 5	۰ ۸۱	17	VI	۳ ۸۱	> 21/2	7	¥1 ¥	VI 3.	- AI	71	3₹ Al	γ. ΛΙ	≥ 5/16	VI Z	0 Al
NO CEILING		40.5	56.7	52.5	50.00	53 33	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
YI YI 16000			00	NN		m m		4 4		4 4	* *	4 4	4 4	4 4	* *	
Y 14000		\$ 0 0 0 0 0	500.7	62.5				65.2	64.2	4 20			65.8	65.8	64.5	65.8
VI VI 0000 0000				20 10							67.5	67.3	67.5	67.5		67.5
71 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 ×				73.3	74.2	74.2		50	75.0			75.0	75.0	75.0	75.0	75.0
\$000 \$1.41			70.8	77.3	7 00 7 00 7 00 10 10 10 10 10 10 10 10 10 10 10 10	00 00 00 00	79.2		79.2			79.2	79.2	79.2	79.2	79.2
VI VI 4500 4000		63.03			30.8	73.3				79.2	79.2		91.7	79.2		79.2
3800				80.8		00 00 01 00 02 00	80 80 8. 4.		83.3	m 4	84.2	83.3	83.3	83.3	83.3	83.3
V 2 2000		72.5	30.48	80 G	90.0	93.0	90.8	0.00 2.00 2.00 2.00	90.96	90.88	90.8	90.8	80.06	90.8	90.8	90.8
			4 4		mm	mm		3 157 2		in in	10 10	95.0			500	
		2000	2 0 0 4 10 10		94.2		0 0 0 0 0 0 0 0 0	0 00 0	0.00	0000	7.96	96.7	96.7	96.7	96.7	96.7
8 8 8				NN	4 4	94.2	000	in in	100 100		7.96	96.7		00	7.96	96.7
		2 2 2 2	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	92.5	94.5	94.2	0 0 0 0 0 0 0 0	00 00 00 00 00 00 00 00 00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	96.7	96.7	96.7	90.7	96.7	7.96.7	96.7
			in in	200				95.8	95.8			96.7			96.7	96.7
8°		73.3	35.0	92.5	94.5	94.2	9.55 25.00 20.00	00 00 00 00 00 00	95.8	96.7	96.7	96.7	97.5	97.5	99.5	0.001

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

7

CEILING							VIS.	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	71	٨١	١٨	۷۱	۸I	> 21/2	۲۹ ۸۱	۷۱ ۱۷۶	71	71	% AI	₹ ∧I	% Al	2 5/16	71	٨١
NO CEILING		-	39.2	6	0	0	0	50.8	0	0	50.8	0	0	0	0	
> 20000		0		54.2	55.8	56.7		1	4	1	-	2	1	-		7.
7 18000		30.8	10	*				57.5	57.5	5.7.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 16000		0	43.3	54.2	5	-0	56.7	1000		1	-	7	-	1	-	7
> 14000		0			3	56.7	56.7	57.5					51.5		7	57.5
≥ 12000		23.3	45.8	56.7	58,3		59.2	60.0	60.0	0000			0			0.00
V 10000				50.2	0			62.5	62.5		65.5		65.5	2.		62.5
		35.8	46.3	50		61.7	61.7	62.5	62.5	-			2	0	3	62.5
		60	56.7		70.8	71.7		72.5	72.5	72.5	~	72.5	72.5	72.5	72.5	
V 7000		9	0.09	72.5		75.0	75.0					5			100	75.8
		9							9	75.8	75.8	10	2	75.8		75.8
> 2000		-	60,8	73.3	75.0	75.8	75.0	76.7	76.7		70.7		.0	0	76.7	76.7
		-		73.3			10	76.7		76.7	76.7	9	D	76.7	0	76.7
4000			8009	73.3	75.0	75.8	75.8	70.7	76.7		76.7	0	76.7	76.7	0	76.7
> 3500		48.3				77.5	77.5	78.3	78.3	78.3	78.3		78.3	78.3	78.3	78.3
3000		0	3	76.7	8			80.0	80.0		80.0	0	0	0	0	0
> 2500		0.5	9		83.3	84.2	85.0	85.8		5	00		85.8	85.8		85.00
> 2000		LES	70.0	86.7	•	89.2	90.8	91.7	91.7	91.7	7.16	-	-	-	-	
V 1800		5		86.7		89.2				91.7		-			:	-
		0	0	-	6			92.5	92.5	2	92.5		•	273	•	
2 1200		56.7	70.8	87.5	89.2	0.06	92.5	93.3		93.3	3	93.3	20.00	*	2.96	2.06
- 4		9	0	-1	0	0	00	*	. 49	*				2		
006		.0		ις. 2	39.5	0.06			04.5		2.46	*	92.0	98.0	95.0	0.56
		-	-		•	92.5	163	0	9	0			0	00	20	
1 700		-		89.2			95.8	96.7	2.96	196		-	22	00		
009 <		-		89.2	91.7	92.5			96.7	9		7	6006	00	98.3	98.3
200		7		80		92.5		96.7	96.7	96.7			2	98.3	6.86	
1 400						94.8	97.5	98.3	98.3	98.3	0	2	00	0.0	0.00	0.00
300		00				94.5		98.3	•	98.9	3.66	9.5	.00	0.0	0000	C
× 200		58.3	73.3	90.8		84.5	97.5	98.3	98.3			0.5	0.00	0000	0.0	100.0
8		40		0	93.3	94.2	97.5	98.3	98.3	900		3.5	0.00	00.00	0.00	0
٥		50	73.3	90.8		94.5	97.5	98.3	•	-	99.5	• 5	100.0	100.0	0000	00.00

TOTAL NUMBER OF OBSERVATIONS

TOTAL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED

CEILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	(53)						
(FEET)	2	٨١	۶5 ۸۱	٨١	٨١	≥ 21/2	7	٧١ ٧٧	VI 2.	-	% A1	*	λl 2,	> 5/16	VI Z	٥
NO CEILING		(U 4 √ (U 4) √ (U 4)	0.00	37.5	37.5	37.5	27.00	52.5	37.5	37.5	37.5	37.5	37.5	52.5	37.5	37.5
18000		5	00	NN		222	222	NO	NA	NA	32.5	52.5	52.5	200	NN	52.5
Y 14000 Y 12000		50 50		E 4	20 3	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	W 4	10 to	6 3	w 3	ms		53.2			m 4
VI VI 000 000 000 000 000 000		90	-10				50					00	no	50	50	
VI VI 7000 7000		80 SO		61.7		61.7	62.5	61.7	- 2	62.5	61.7	61.7	61.7	61.7		61.7
0000 AI AI		ち 50 50 50 50 50 50 50 50 50 50 50 50 50 5	50 5	62.5		52 50		62.5			62.5	62.5	62.5	62.5	62.5	62.5
4000		000	9 0	63.3					Nm	n m		62.2	62.5		62.5	
3200			6.0							10		70.8	70.8	70.8		
2 2500 2 2000			83.3	74.00		74.2	74.2	74.2	74.2	74.2	74.2	74.2	90.0	74.2	74.2	74.2
		ev e		04				0 10 10	000	0 10 1		90.8	8.06	90.08	95.0	010
		0	0 00 00	0 40 40 0 40 40 0 40 40	96.7	96.70	90.00	2000	0000	0000	100	100	100	0.0		200.70
8 8 8		- CD CD	00		00 00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	000	000	9888	100 100	00	000	000	000	00	00
			700	0 0 0 0 0	9 00 00 00 00 00 00 00 00 00 00 00 00 00	9 00 00 00 00 00 00 00 00	9999	990.3	0 0 0 0	0 0 0 0 0 0 0 0	99.2	99.2	99.5	99.2	100.001	99.5
300			91.7		00	00	99.2	200	00	9.2	00	0.0		0.0	00	00
80		79.2	91.7	m m	2.66	99.2	99.2	99.5	2.66	99.8	100.001	100.001	100.00	100.00	00.00	00.00

TOTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY	MONTH
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CEILING	ren 7 de vicans
	SUUTH CARDLINA NWSED 7
	CHARLESTON, S

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CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	71	۸۱	۷۱ د	4	٨١	> 21/2	۲ ۱۸	V1 72	۷۱ پر	- A1	AI	ar ∧I	% Al	2 5/16	7	٥
NO CEILING			33.3	35.0		35.0		35.0	35.0	35.0		5	35.0	35.0	35.0	35.0
> 20000		7	44.2	6.5	45.8	43	45.8	45.8	15	-	45.8		2		8.54	45.8
≥ 18000		1	44.2	49.8		50	45.50	45.3	45.8	45.8		43.8		45.8	45.8	45.8
≥ 16000		37.5	44.2	45.8		6.5	45.8	5 5	45.8	-	45.8	45.8	45.8	45.8	45.8	45.8
> 14000		7	44.2	45.0	45.8	45	45.8	45.8		45.8	45.8	45.8	45.8	45.8	45.8	45.8
> 12000		-	44.2	8 8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
× 10000		38.3	45.8	47.5	-	47.5	47.5	47.5		47.5	47.5	47.5	47.5	47.5		47.5
0000		3.8	45.8	47.5	47.5	47.5	47.5	47.5		47.5	47.5		47.5	47.5	47.5	
		60 60 4	52.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	5	5	5	55.0	55.0
> 7000		44.2	54.2	56.7	56.7	56.7	56.7	56.7	56.7	-		56.7	56.7	56.7	56.7	56.7
		44.2	54.5	56.7		56.7	56.7	56.7	56.7	.0	56.7		.0	56.7	56.7	56.7
> 5000		44.2	54.2	56.7	56.7	56.7	56.7	56.7		•	56.7	ė.	56.7	56.7	56.7	56.7
			54.2	56.7	56.7	56.7		50.7		56.7	56.7	56.7			26.7	56.7
7 4000		46.2	55.0	57.3	57.5	57.5	57.5	57.5	57.5	-	57.5	-	-	57.5	57.5	57.5
> 3500		4	59.5	62.5	62.5		62.5	62.5	62.5	62.3	62.5	5.	N	~	62.5	62.5
		54.5	0.59	69.5	69.5	69.5	69.2	69.2	69.5		69.2	0		0		6
> 2500		62.5	74.2		78.3	7 25				00	78.3	78.3	78.3	78.3	78.3	
2 2000		13.3	85.8	90.8			90.0	90.8	8.06	0	0	0		0		80.06
2 1800		73.3	35.8	8.06	0		0	8.06		90.8	8.06			8.06		0
		77.5	0.06	95.8	10		95.8	95.8	95.8	100	10	2	95.8	5	95.8	
> 1200		78.3		7.96	.0	0	26.7		66.7		.0	.0		9		9
1000		80.0	O.	08.3		98.3			98.3	0	98.3	00		500	98.3	00
006		80.0	92.0	98.3	6.30		98.3	98.3	98.3	98.3	*	00	90	100		600
		80.8	93.3	8.66	2.66	0	3.66	88.5	99.5		99.5	66.5	2.66	6	3.66	2.66
		80.8	3	99.2		0	2.66	2.66	66.5	•	5	6		6	2.66	99.2
> 009		0	63.3	99.2	99.2	99.2	2.66	2.66	2.66	.2	100.0	100.001	100.001	100.001	00.00	0.00
> 500		80.8	93.3	99.2	366	3.66	99.5	99.2	99.2	2.	00.00	100.001	.00	100.01	0	
1 400		80.8	93.3	36.5		86.5	99.2	3.66	99.5	~	0	0.0	0	0.0	.00	0
300		0	93.3	2.66	34.5	99.5	99.2	2.66	99.2	~	0	0.0	0.00	0.00	0.00	0
> 200		80.8	93.3	99.2	2.66	866	3.66	36.5	99.2	366	100.00	0	0.	100.01	00.00	0
001		.0	93.8	2.66	99.5	86.5	36.5	2.66	90.5	200	100.0	0.0	0000	.00		0.00
٥		80.8	93.3	500.5	66.5	99.2	99.5	3.66	99.5	99.5	100.001	0	100.001	100.001	00.00	00.00

TOTAL NUMBER OF OBSERVATIONS

OCCURRENCE	(TIONS)
PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)
PERCENTAGE	(FROM I

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	VI 5	۰ ۸۱	۶۵ ۸۱	4	۸۱	≥ 2%	1 2	17/2	VI 7/2	- AI	% AI	∦* ∧I	% Al	≥ 5/16	VI N	AI
NO CEILING		33.3	36.7	37.04	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
7 18000		127	-	49.2	6	0		2 69	6	6	64		0	64	0	
× 16000		63.8	6.1.5	49.2	49.2			6.04	0	49.2	49.5	49.2	49.2	4	49.2	64
> 14000			47.5	49.2		49.2	49.2	49.2	49.2		49.	49.2	49.2	6		6.6
> 12000		43.3	48.3		50.0	50.0		50.0	0	50,0	50		0	50.0	50.0	50.
¥ 10000			50.0	51.7	51.7	-	51.7	51.7	51.7	51.7		51.7		51.7	51.7	51.
0006		44.2	30.08	51.7		51.7	51.7	1	51.7	51.7	-	51.7	51.7	51.7	51.7	51.
			80.8	62.3	62.5	62.5	62.5	62.5	62.5	62.5		65.5		65.5	65.5	62.
> 7000		150 150 150	62.5	64.2			64.2	64.2		64.2		64.2	64.2	64.2	2.49	64.
1		(1) (1)	62.5	64.2			2.49	64.2		64.2	4		64.2		64.2	64.
2 5000		56.7	63.3	65.0	65.0	0.89		65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.
			63.3	65.0				0.50			100	0.59	65.0		0.59	65
¥ 4000		57.5	54.5	65.8	8.69	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65,8	65
			66.7	68.3	30	•		60 60 60			00	68.3	00			68.
3000			71.7		73.3	(1)	73.3	73.3		73,3	m	73,3			73.3	73.
		67.5	76.7	80.0		80.8		80.8			0	80.8	80.8	80.8		80.
> 2000		75.8	83.88	91.7	~	N	N	o.		64	2	92.5	N	92.5	92.5	
		15.00	30	61.3		92.5		92.8	92.5	92.5		92.5	92.5	92.5	92.5	92.
1500			90	0.86	5	85.0	00.00	95.8		6	in	95.8	95.8	95.8		95
		2062	0.06	95.8	98.3	98.3	98.3	98.3	98.3			98.3	98.3	98.3	98.3	98.
1000		80.8	61.7	97.8	100.001	100.001	00.00	10000	0.001	100.0	0		100.0	100.0	10000	100
			2.16	97.5	00	00.00	100.001	100.001	0		00	100.0	100.0	100.0	0	100
800		80.08	61.7	97,5	100.001	100,001	100001	100.001	100.00	100.0	0	0	10000	100.001	0.001	100
		80.8	2.16	8.16	100.001	00.001		100.001			.00	100.0	0	100.0	100.00	00
09 1 A I		80.8	21.5	97.5	100.001	10.001	10000	100,001	100.00			100.00	100.0	100.0		100
		80° C 30	01.7	97.5	0.	00	0.00	0	0		00		0	100.0	100.0	.00
VI 400		80.8	1.16	97.3	100.001	10000	100.001	100.001	100.001	100.0	100.00	100.00	100.0	ċ	10000	1001
		80.8	61.7	100		00.00	100001	100.00	100.001	100.0		100.0		0	0	100
7 200		80.8	91.7	97.9	100.001	100.001	100.00	100.001	100.001	100.0	100.0	100.0	100.0	0.0		100.
91					0		0.001	100.01	100.001	0.001	000	0.00	00	100.0	0.00	100
		80.8	61.1	97.5	100.001	00.00	00.00	10000	0.001	100.0	100.0	100.0	100.0	100.0	100.0	100.

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TOTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY

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TOTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY

STATION NAME YEARS
PERCENTAGE FREQUENCY OF OCCURRENCE

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	71	۸۱	87	4	٨١	≥ 2%	7 1	VI 2/1	VI VI	- AI	AI	3 ₹	ς, ΔΙ	2 5/16	71	٥
NO CEILING		41.7	44.2	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	59.7	46.7	50.7	46.7
7 18000		2000				5	20.5		0	0	0	6	0		59.2	
2 16000		50.0	54.2	59.5	0	50	59.5	60	59.2	59.5	59.2	59.5	59.5	59.5	59.5	59.2
> 14000		51.0	55.8			09	8.09	80.8		60.8	8.09	8.09	0	60.8	0	8.09
≥ 12000		54.2	58.00	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63,3
Z 10000		57.5	64.2	2.69	69.2	69.2	2.69	69.2	69.2		69.5	6				69.2
0006		57.5	0,50	70.0	70.0	70.	70.0	70.0	70.0	70.0		70.0	10.0	70.0		70.0
		60.00	13.3	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.5		79.2	79.2
2 7000		70.8	78.3	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
		70.8	78.3	3.48	84.2	84.2	84.2		84.2	84.2	84.2	84.2	84.2	4	84.2	84.2
2 2000		76.8	78.3	84.2	84.2	84.2	84.2	84.2	84.2		84.2	84.2		84.2	84.2	84.2
		70,8	78.3	84.2	84.2	84.2	84.2	34.2	84.2	84.2	84.2				84.2	84.2
1 4000		70.8	78.3	84.2	84.2	98	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
		71.7	79.2	80 80 80	85.8	80 80 80	85,8	85.8	65.3	85.8	85.8	85.8	0	85.8	85.8	85.8
3000		74.2	81.7	88.3	88.3	88		88.3	88.3	88.3			8		88.3	88.3
		74.2	35.0	92.5	92.5	92.5	02.5	6.26	92.5	92.5					95.5	92.5
> 2000		75.03	80.7	0.86	95.0	95.0	95.0	98.0	98.0	95.0	0.56	95.0		95.0	0.56	95.0
		75.8	86.7	0.56	95.0	95.0	0.56	95.0	95.0		5		5		3	95.0
> 1500		77.5	89.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	6.86	98.3
		77.5	0.00	6.7.8	98.3	98	98.3	98.3	98.3	98.3	00	8	9	98.3	00	98.3
1000		77.5	89.2	98.3	89.5	89.2	2.66	2.66	99.5	99.2		89.5	3.66	99.2	6	99.2
		77.5	2.68	98.3	99.5	99.2	99.2	99.2	99.2			6	0	80.5	2.66	2.66
008		77.5	89.2	9 A . 3	2.66	99.2	99.2	89.5	99.2		88.5	88.5	3.66	89.5	6	99.2
		77.5	2.68	co.	09.2	89.2	99.2	99.2	86.5	66.5				99.2	88.5	66.5
000		77.5	2.68	98.3	99.5	99.2	99.2	5.66	99.2	99.2	2.66	99.2	6	6	2.66	88.5
			0.06	99.2	100.0	100.0	100.00	100.0	100.0		100.001	0.0	0000	0.00	00.00	0.00
1 400		78.3	0.06	99.2	100.0	100.0	100.0	100.0	100.0	100.0	0	0.0	0.00	0.0	0	100.0
300					100.0	30	0.001	100.0	100.0	0	0	0.0	0	0.0	0.00	0
		78.3	0.06	66	100.0	100.0	100.001	100.0	100.0	0	0	00.00	0.0	0	0.	100.0
81				99.2		100	100.0	0.0	0000	0.00	100.0	000	0.00	00	0	
- }		18.3	30.0	3.66	0.001	100	0.001	0.001	100.0	0000	0000	100.00	0.001	0.00	0.00	0000

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TOTAL NUMBER OF OBSERVATIONS

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HOURS (1 S T)

5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

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CEILING							VIS	SIBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5	۸۱	۶۰ ۸۱	۷۱	٨١	≥ 21/2	7	٧١ ٧٧	VI 7.	- -	٧١	∦ * ∧I	% Al	≥ 5/16	VI 34	٥
NO CEILING		46.00	39.1	56.1	54.5	545.03	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 K	\$ 5.00 5.00	42.8	55.0	42.8	55.0	42.8	42.8	55.0
18000		3 3	00		4 4		10, 10		10 10		500		20			
Y 14000				5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	55.4	55.5	55.7	50 FC	55.8	57.00	55.8	35	50.00		55.8	
VI VI 9000 0000			500	9 0 0		0000	00	60.3		60.09	60.3	60.3	60.3	60.3	60.3	
7 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 ×			63.6	71.3		71.9		69.3	0 N	69.3		69,3	72.2		5 %	6 2
8000 8000 81 A1		cc cc	66.3	71.3	71.7	72.2	72.1	72.2				72.2				72.2
VI VI 4500 4000		59.1	66.8	71.9		72.4	72.6	72.7		72.7	72.7	72.7	72.7	72.7		
3500		. 65	72.0	74.9		78.5	78.8	75.8		75.8	75.8	78.9	75.8	78.9		75.8
Y 2500		72.5		93.4	92.2	92.3	94.5	92.0	84.6	84.6	84.6	84.6	84.0	92.9	94.6	84.6
VI VI 1500				94.4	Nin		95.8	92.9			96.4	6.0				93.0
			90	4 10 1	0.0	0.0	97.0				97.0					98.0
		000		96.0		97.6	98.00	200	0 0 0	98.6	980	000	0.66	0.66	0.60	99.0
		78.9		96.1			0 00 00	2 00 00	0 0 0		00	00		00	99.3	
			30 0	.0	00		20	99.1	6		0	00		6	0	
8 8 1 A I A		70.00	2 00 00	0 0	000	98.1	98.9	99.1	99.1	99.5	99.3	99.5	99.7		99.8	000
VI VI 80		76.3	88.2 88.2	96.7	98.0	98.1	98.0	99.1	99.1	99.2	99.5	99.2	7.66	99.7	6.66	0.001

TOTAL NUMBER OF OBSERVATIONS

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5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

CHARLESTON, SOUTH CAROLINA NWSED 73-70

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST.)

CEILING							VISI	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(1466)	71	۰ ۸۱	۷5 ۸۱	۷۱	ε ΛΙ	> 21/2	۲ ۱۸	۲۵ ۲۵ ۲۵	Δ.	ĀI	٧١	* * ∧I	Z Al	2 5/16	Z AI	٥
NO CEILING		0.64		59.7	60.5	6009		60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.09	60.5
N 20000		53.2	65.3	74.2		15.0	75.0	n	•	150	52	5	3		75.0	75.0
> 18000		53.2	65.3	74.2	75.0	75.0	75.0	75.0			75.0		•	75.0	75.0	75.0
> 16000		53.2	65	74.2	75.0	75.0		75.0	75.0	75.0	75.0		75.0	75.0	75.0	73.0
Y 14000		53	65.3	74.2		75.0	75.0	75.0					75.0	75.0	75.0	75.0
2 12000		54.00	6.09	75.8	76.0	76.6					76.6		70.0	76.6	76.6	76.6
V 10000		34.0	6.99	75.8	76.6	76.6		76.6		76.6		76.6	70.6	76.6	76.6	76.6
0006 1		55.7	67.7	76.0	77.4	77.4		77.4		77.4	77.4		77.4	77.4	77.4	77.4
		63.7	75.8	0.50			.0	86.3	86.3	9	86.3	. 9	86.3	86.3		86.3
> 7000		64.3	77.4	87.1	87.9	67.9	87.9		87.9	87.9	87.9	87.9			87.9	87.9
i		40	77.4	87.1			87.9			7.	87.9	87.9	87.9	6.48	6.78	87.9
> 2000		54.5	77.4	87.1	87.9	87.9	87.9	87.9	87.9	87.9		-	87.9	87.9	64.6	87.9
								-	87.9			87.9	:	67.9		87.9
1 4000			77.4	87.1			87.9	87.9	6.78		87.9	87.9	87.9	87.9	87.9	87.9
		56.1	0	8	89.5		89.5	0	89.3	0	0		89.5	89.5	89.5	89.8
3000		66.1	80.7		-		91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
		67.7	173			100	60		93.6	657	0	93.6	93.6		93.6	93.6
> 2000		71.8	87.9	97.6	98.4	60		4.86	4.86	98.4	98.4		98.4	5.86	4.86	48.4
			87.9		00		500	90		(X)	4.86		4.86	4.86	4.86	98.4
1500		71.8	87.9	97.6		98.4		98.4	98.4	98.4	00		90.4	98.4	98.4	98.4
		71.8	87.9	91.6		00		99.2			99.2	6	•	86.5	2.66	2.66
0001 <		72.6	88.7	96.4	09.2	99.2	99.2	100.001	100.00	0	00	0	100.0	100.01	0	0.00
		72.6	88.7	\$ 8 6	6	3		100.00	100.001	0	0	0	0		0	0.00
N 800		72.6	88.7	48.86		6	99.21	100.001	100.00		100.001		100.001		00.00	0.00
		72.6	88.7	P. 86		0	99.21	100.001	0.001	0.001		0			0	0.00
009		72.6	88.7	4.86	6	6	99.23	100.001	100.0	0.0		0	100.00	0	0.00	0.00
		72.6	88.7	4.86			99.21	0.0	.00	0			0		0000	0.00
004		72.6	88.7	98.4	2.66	86.5	99.23	100.001	100.001	10000	100.00	100.001	0	100.001	00.00	0.00
		72.6	88.7	4 86			99.21	100.001	100.001	0.001	100.001		100.00	0	00.00	0.00
200		72.6	88.7	4.80	3.66		99.21	100.01	100.0	0	100.001		100.0	100.001	00.00	0.00
		72.6	83.7	98.4	2.66	99.2	99.2	0.00	100.001	0.000	100.001	100.001	100.00	100.01	00.00	0.00
٥		72.6	88.7	4.86	36.5	99.2	99.21	100.00	100.001	100.00	100.001	100.001	100.001	100.001	00.00	0.00

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TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

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HONTH

CEILING VERSUS VISIBILITY

THE PERSON NAMED IN

	YEARS	OCCURRENCE	ATIONS)
73-76		UENCY OF	Y OBSERVA
CHARLESTON, SOUTH CAROLINA NWSED 73-76	STATION NAME	PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)
CHARLESTON, S			

NO CEILING ≥ 20000 18000

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	E		5	70	3	CE	EILI	NC	٠ ١	/ER	SU	S	VIS	IBI	LIT	Y	J	AN	6	8				2									
	٨١	61.3	75.8			75.8	75.00			5.5	6	6	6	89.5	89.5	6.06		. 4			99.2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00.00
	NI N	61.3	75.8	75.8	75.8	75.8	75.8		76.6	85.5				89.5	89.5	8009	616	4.		-	96.5	2.66	00.00	0	00.00	00.00	00.00	00	00.00		00.00	00.00	00.00
	≥ 5/16	61.3	10	75.8	75.8		75.8	76.6		85.5	89.5	0	89.5			90.3	•	4		91.6			00.00		00.00	0.0	00.00	00.00	00.01	00.00		00.00	00.00
	Z.	61.3	75.8	75.8	5	75.8	75.8	76.6	.0	85.5	89.5	0	89.5	6	6	6.06	6116		91.6		3.66		00	00.00	0	C	0	00	10.00.	00.00	00	00	00.00
	a₹ Al	61.3	75.8	75.8	75.8	75.8	75.8	76.6		5		89.5		89.5	6		-		91.6		88.5	6	0	0	0	100.00	00.00	0.	100.001	0	0.0	0	00.00
	% AI		75.8	75.8	75.8	75.8	75.8			85.5	6	0		6	6	90.3	:	4.46	94.6	91.6	2.66	6	.00	.00	100.00	100.001	0	100.001	100.001	100.001	.00	100.001	0.00
ES)	- AI	61.3	75.8	75.8	75.8	75.8	7.5.8			85.5	0	0		89.5			91.9	4	91.6			99.2	0	0.0	00.00	0.0	0	0.0	0000	0.0		0	0000
VISIBILITY (STATUTE MILES)	71	61.3	75.8	75.8	75.8	75.8	75.8			5	89.5	89.5	89.5	89.5	89.5	0	91.9	4.46		-	6	99.2	0.00	0.001	0000	100.00	00.001	100.001	00.00	0.001	0.00	10000	00.00
IBILITY (ST.	V 1%	61.3	5 3	75.3	5.3	7.5	75.00	75.6		83.5		89.8	89.5	89.5	5.68	0		4.46	97.6		99.2		0.00	100.00	00.00	100.00	00.00	10001	100.00	00.001	00.00	100.00	00.001
VISI	71			75.8	75.8	75.8	75.8				89.5	89.5	6.6	89.5	8.68	90.3		4.46			99.2			100.00	00.00	100.00	100.001	100.001	100.00	100.001	00.001	100.00	00.00
	≥ 2%	61.3	K K		75.03	75.00	75 8	76.6	76.6	85 3	89.5	89.5	89.5	89.58	89.5		91.9	4.46	97.6		99.2	0	0.00	100.001	0.001	0000	100.001	100.01	100.001	100.00	0000	0000	00.00
	۸I	-	75.8		75.8		75.8						89.5		89.5	90.3	616	4.46		91.6	2.66		0	0.001	0.001	100.00	0.001	100.0	100.0	0000	0.001		00.00
	VI	60.5	78.0	75.0	75.0	75.0	75.0	300	75.8	84.7	88.7	88.7	88.7	88.7	88.7	89.8	91.1	93.6	8.96	96.3	98.4	98.6	6	99.2	99.2	99.2	99 2	99.2	99.2	99.2		99.2	99.2
	۶۵ ۸۱	*	67.7	1.	-	1.		8		10	78.2	00	90	8	30	0	6	2	84.7	*	35.5		80.3	0	86.3	0	0	86.3	9	.0	86.3	• 0	86.3
	۰ ۸۱	4	0	9	.0	0	-0	2		2		20	10			0	8	-	0	0	0	0	71.0	-		-		-		1.			-
	0 1																																
		D Z		0	0	0	0	-	_	-	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	0	_	_	_	_	_	_	-

TOTAL NUMBER OF OBSERVATIONS

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CHARLESTON, SOUTH CAROLINA NWSED 73-70

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES	ATUTE MIL	ES)						
	0 1	٥ ٨١	S A1	VI	e Ai	≥ 21/2	2 2	V 1%	¥1	71	.¥.	# Al	۲ ۱۷	≥ 5/16	VI	٨١
NO CEILING			40.3		61.3	2	64.5	64.5	64.5	. 4	64.5	64.5	64.5	64.5	5.49	•
> 20000		35.5	45.2	59.7		69 4	-	-	71.8	-	-	-	71.8		71.8	71.8
2 18000		35.5	45.2	59.7	67.7	4 60	71.8	71.8	71.8	71.8			71.0	71.3	71.8	71.8
> 16000		35.5	45.2	59.7	67.7	4 69	71.8	71.8	71.8		71.8	71.8	71.8	71.8	71.8	71.8
> 14000		38.8	45.2	50.7	67.7	5 69	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 12000		37.1	8.0%	62.1	70.2	71.8	74.2	74.2	74.2		74.2	74.2	74.2	74.2	74.2	74.2
N 10000		41.1	50.8	66.1	74.5	75.8	78.2	78.2	78.2		78.2	78.2	78.5	78.2	78.2	78.2
> 0000		41.9	91.0	66.9	75.0	76.6	79.0	79.0	79.0	79.0	19.0	20.62		79.0	29.0	79.0
		46.0	87.3		0	N	84.7	84.7	84.7		84.7		84.7		84.7	84.7
> 7000		4.84	0	75.0		84.7	87.1	1	87.1	87.1	87.1		87.1	37.1	87.1	87.1
		40.2	60.5	75.8		80 50 50	87.9	6.78	87.9	-	7.	87.9	-		87.9	87.9
> 2000		49.2	60.5	75.8			87.9	87.9	87.9	87.9	87.9		87.9	87.9	64.6	87.9
		49.2	60.5	75.8	100	M7	87.9	87.9	87.9	87.9	87.9		87.9		87.9	87.9
× 4000		50.0	61.3	76.6	84.7	86.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
		50.8	62.1	77.4	5	7		89.5	89.5	0	89.5	89.5			89.5	89.5
> 3000		51.6	63.7	79.8		89.5	-		61.9	91.9			616	91.9	61.6	6116
		54.0	1.00	82.3	90.3	616	5.46		•			4.46	. 4		4.46	4.46
> 2000		56.8	68.6	84.7	2	4	96.8	96.8	8.96	8.96	9	8.96		96.8	96.8	96.8
			68.6	84.7	r.	4	96.8	.0		96.8	96.8	8 . 96	90.8	96.8	8.96	8.96
> 1500		56.5		66.3	+	.0	4.86	8	98.4	00			98.4			98.4
> 1200		57.3	70.2	87.	95.5	96.8	89.5	66.5	88.5	0		366	6			2.66
2 1000		57.0		87.1	3	9			3.66	6				0	2.66	66.5
006		57.3	70.5	87.1	5	.0	99.2	0	3.66	9.5	.66		5	0	36.5	39.5
		57.3	00	87.1		0	0.001		100.0	0.0		0000		•	0	0.00
		23	70.2	87.1	5	1.0	100.00	100.001	100.001	0.0	000	ċ	0		0.0	100.0
009		7.	70.2	87.1	5	97.01	00.00	100.0	100.00	0.0	000	0.0	000	0		0.00
		57.0		87.1	95.2	91.6	0.001	100.0	100.0	0	00	0.0	0		0.001	0.00
V 400		57.3	70.2	87.1		97.6	0.001	0.001	100.001	0.0	00	0.0	00		00.00	0.00
300		w. 7 .	70.2	87.1	0	-	0.00	100.0	100.00	0.0		0.0	00	10000	•	0.00
۲ 200		57.3	70.2	87.1	95.5	97.6	00.00	100.0	100.00	0.0	100.001	0.0	0	0		0.00
80		m r	70.5	87.	500	27.00	0.00	1000	•	0		0.001	000	0.00	0.001	0000
		0	200	0 0		0	00.00	0.001	0.00	•	•		2	•	90	000

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TOTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY

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TOTAL COMME

73-78 CHARLESTON, SOUTH CAPOLINA NWSED

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-		٥	50.08	60.5	60.5	2.	60.3	7.7		7.7		80	8.8	3.	5.8	9.9	0.6	9.8	7.1	4.4	4.4	1.6	3 . 4	8.4	4.	0.00	0.00	0.00	0.00	0.00	0.00	00.00
10 HOURS (L S T		٨١	1	5	0	5 60	0	9	1 66	7 5	2 7	2	8 7	4	3 7	6 7	0 7	7	1 87	76 5	46 5	6 9	5	4	4 98		7	7	7	0	0	-
0 1		AI.	50.0	009	.09	.09	.09	62.	.99	67.	74.	75.	75.	75.	75.	76.	38.	19.	87.	. 56	. 56	. 16	.86	96	98.	00.00	00.00	0100.	0.0010	.00	0000	0000
		≥ 5/16	50.0	60.5	60.5	60.5	60.5	52,1	66.1	67.7	74.2	75.8	75.8	75.8	75.8	76.6	0.61	8.61	87.1	4.46	4.46	9.16	98.4	4.86	4.86	0	0	0	00.01	00.00	00.01	000
		% Al	50.0	60.09	60.09	60.09	2	62.1	1.09	2.19	74.2	75.8	15.8	8.67	75.8	16.6	0.61	9.61	87.1	4.46	5.56	9.16	*	4	48.86	0	0100.01	0100.0010	00.00	-	100.001	00000000
		≭	50.0	60.5	60.5	60.5	5	62.1	66.1	67.7	4.2	5.8	5.8	. 8.6	3.0	9.91	0.6	8.6	11.1	4.4	4.4	9.16	4.6	4	98.4	C	•	00.01	00.01	00.01	0	000
		× 1	50.08	60.5	60.5	60.5	'n	62.1 6	66.1 6	7.7 6	4.2	5.8	9	5.8	5.8	0.0	0.6	9.6	7.1 8	4.4	4.4	7.6	5 4.86	4	98.4	Seed.	~	-	00.010	00.010	-	•
ENCE ENCE		- 1	0.0		60.5 6	60.5 6	60.5 6	2.1 6	6.1 6	7.7 6	4.2 7	5.8	5.8 7	5.8 7	5.8 7	6.6 7	7 0.6	9.8 7	7.1 8	6 4.4	4.4	7.6 9	6 4.8	8.4	8.4	0.010	0.0010.0	0.010	.01	0	0.0010.0	0000
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	E MILES)	¥ AI	0.	2	3	n	10	1 6	.16	7.7 6	4.2 7	5.8 7	1 8.	8.	.8 7	1 0.	.0.	.8 7	7.1 8	6 4.	4.	6 9.	6 4.86	6 4.	6 4.86	00.00	00.00	00.00	100.0100	0010.00	0	4 4 4 4
ENTAGE FREQUENCY OF OCCUR!	VISIBILITY (STATUTE MILES)	-	.0 50		.5 60	5 60	.5 60	-	.1 66	7 67	.2 74	8 7	8 7	8 7	8 75	5	0	8 79	.18	76 4	\$6 5.	6 9	4.	.4 98	36 5.	.0100	.0100	.0100		-	.0100	
ICY C	VISIBILIT	V1 2/2	0 80	5 60	5 60	09	5 60	1 62	1 66	7 67	2 74	8 75	8 75	8 75	8 75	6 76	-	8 79	1 87	46 4	4 94.	6 97	4 98	4 98	4 98	0100	0100	0100	00000	0100	0100	1000
QUEN RLY (71	50.		.09 6	5 60.	.09 5	62	. 99	1 67	74.	75.	3 75.8	3 75.	75	6 76.5	0.64	9 79.	1 87.	. 96 4	4.46	6 97	98.	96 9	5 98.	2100.	5100.	10012	2100.	2100.	2100.	
F.R.		2 2 1/2	50.0	09	60.	00	60.	62	00	67.	74.	75	75.	7.8	75.	76.	79.0	79.	8.7	94.	24.	96	97.	97.	97.	66	66	66	66	66	66	000
LTAG FROM		٨١	50.0	60.5	60.5	60.5	60.5	62.1	66.1	67.7	74.2	75.8	75.8	75.8	75.8	76.6	79.0	79.8	87.1	94.46	4.46	96.8	97.6	97.6	97.6	66.5	66.5	99.2	99.2	99.2	99.8	
ERCE		4	4.8.4	58 3	58.9	58.9	5 B 6	60.09	64.5	66.1	72.6	74.2	74.2	74.2	74.2	75.0	77.4	78.2	85.5	92.7	1.26	95.2	0.96	0.96	0.96	94.0	9.46	9.26	91.6	97.6	97.6	- an
4		۶۰ ۸۱	40.3	47.6	47.6	47.6	47.6	2.65	53.5	54.8	60.5	62.1	62.1	62.1	62.1	65.0	65.3	1.99	72.6	8.64	19.8	81.5	82.3	82.3	82.3	63.9	0.00	83.9	83.9	83.9	63.9	000
		٨١	3.1	6.	5.4	7.0	5.1	8.6	1.0	3.6	5.5	8 0	80 0	0	50.8	9.1	3.2	0.4	0.0	64.5	64.5	5.3	66.1	6.1	66.1	6.09	6.99	6.99	6.99	6.99	6.99	1000

TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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	٨١	32.	4 5	43.	ç ı	. 0	50.	54.	58.	58	58	58.	66	.99	71.	82.	. 56	. 46	.96	. 26	00	.00	00	00	00	.00	00	.00	.001	100
	VI 24	32.3	45.2	45.5	0.0	0 0	50.0	54.8	58.1	58.1	58.1	58.1	28.1	6.99	71.8	82.3	4.46	4.46	0.96	91.6	100.001	100.00	100.001	100.001	100001	100001	100.00		-	
	≥ 5/16	45.3		•	0 0	50	200	54.8	58.1	58.1	58.1	58.1	20.1	6.99	71.8	62.3	4.46					100.001	100.001	100.001	100.001	100.00	100.0100.001	100.00	100.0100.0100.001	100.0100.0100.0100.0100.0100.0100.0100
	ς ΛΙ	32.3	45.2		0.0	20.0	50.8	54.8	58.1	58.1	58.1	58.1	59.7	6.99	71.8	82.3	4.46	4.46	0.06	91.6	00.0010.00	00.0010.00	100.001	100.001	100.001	100.001	100.0	100.0100	0.001	100.00
	# ∧I	32.3	45.2		900	0.0	20.8	54.8	58.1	58.1	58.1	58.1	59.7		71.8	82.3	4.46	4.46		91.6	-	00.00	0000	0000	0000	0000	000	0.001	0000	100.0
	٧١	32.3	in i		0.0	0 0		54.8	58.1	58.1	58.1	58.1	59.7	6.99				4.46	0.96	91.6	00.0010.00	0.001	100.0010.001	100.0	00.00100.00100.001	100.0	100.0010.001	100.0	0.001	100.00
ES)	- AI	32.3		6	01	0 0	200	54,8	58.1	58.1	58.1	58.1	59.7	66.99	71.8	82.3	4.46	4.46	0.96	91.6	0.00		100.00	100.00	100.001	100.00100.001	0000	100.00100.001	000	00000
VISIBILITY (STATUTE MILES)	۸I ک	32.3	45.2	45.2	46.0	0 0	200	34.8	1.88	58.1	58.1	58.1	59.7	6.99	71.8	82.3	4.46	4.40	0.96	91.6	100.00	100.0	100.0	00.0010.0100.0100.0100.00	100.0	0.0010.	100.0	100.0	100.010.0100.0100.0100.0100.0100.0	100.00
IBILITY (ST	۷۱ ۲۷	80 00 00 00 00 00 00 00 00 00 00 00 00 0		45.2	0	# 15	300	54.8	58.1	58.1	58.1	58.1	59.7	6.99	71.8	82.3	94.46	4.46	0.96	97.6	100.0	0.00	0.0010.00	100.0	0.0010.00	100.00	00.00.00.00	100.0100.001	0.001	100.00
N N	71 11	32.3		43.5	0 1	0 0	0 00	54.8	58.1	58.1	58.1	58.1	59.7	6.699	71.8	5.3	94.46	94.4	0.96	97.6	100.001	100.001	-	-	-	100.0100	-4	100.0	100.0	100.001
	2 2 1/2	32.3	45.2	43.2	01	200		54.8	58.1	56.1	58.	58.1	59.7	6.99	71.8		4.46	4.46		97.6	0.001	100.0	100.001	100.0	100.0	100.01	100.0	100.001	0.0010.001	100.001
	۸I	32.3		45.4	0.09	0 0	20.00	54.8	58.1	58.1	00	58.1	59.7	66.9	71.8	82.3	4.46	4.46	96.0	91.6		100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.001	100.0
	VI 4	31.5				000	200	54.0	57.3	57.3	57.3	57.3	58.9	68.3	70.2	80.7	92.7	92.7	94.4	0.96	97.6	0	97.6	97.6	97.6					97.6
	۸I	30.7			4.	45.0	46.8	50.8	54.0	54.0	54.0	54.0	55.7	62.1	60.9	75.8	87.1	67.1	88.7		91.9	616	91.9	91.9	616	616	91.9	91.6	41.9	91.9
	٨١	30.4			(A)	0 C	1 40	40.3	43.6	43.6	43.6	43.6	44.4	50.8	54.0	59.7	69.4	4.69	71.0	ev.	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	7.4	74.2
	71																													
CEILING	(FEET)	NO CEILING	2 18000	00000	14000	2000	000		2 7000		> 5000		× 4000		> 3000		> 2000		2 1500		2 1000	006			009	200		300		VI VI 8 o

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TOTAL NUMBER OF OBSERVATIONS

HOURS (1 S T)

5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED

73-76

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	2	9 AI	N AI	4	M Al	≥ 2%	N Al	VI 2/2	VI 7.	- AI	% Al	*	γ ΛΙ	≥ 5/16	VI N	٨١
NO CEILING		32.3	38.7	6.14	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	45.7	42.7	42.7	42.7
> 20000		0	51.6	38	56.5	56.3	56.5	56.5	56.5	56.5	50.5	56.5	50.5	56.5	50.5	56.5
7 18000		6.14	51.6	55	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	50.5	56.5	56.5	36.5
2 16000		6.14		55.7		56.5	.0	56.51		56.5	56.5	56.5	56.5	56.5	56.5	56.5
2 14000		42.7	52.4	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57,3	57.3	57.3	57.3	57.3
> 12000		43.6	54.8	58.9	59.7	59.7	59.7	50.7	59.7	59.7	59.7	59.7	29.1	59.7	59.7	59.7
		48.2	5.6	62.1	65.6	65.0	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
0006		45.2		62.1	65.8	6.29	65.9	65.9	62.9	62.9	65.6	65.0	65.8	65.0	65.6	65.9
l-		0	63.7	67.7		58.6	68.6	68.5	68.6	68.6	68.6	68.6	9.99	68.6	68.6	68.6
2 7000		54.0	6.99	71.0	71.8	71.0	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
1			6.99	71.0	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
> 2000		54.0	6.99	71.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
		*		71.8		72.6					72.6	72.6	72.6	72.6	72.6	72.6
4000			67.7	73.4		74.2			•	74.2	74.2	74.2	74.2	74.2	74.2	74.2
1		55.7	68.6	75.8		76.6			76.6	76.6		76.6	76.6	76.6	76.6	76.6
3000		57.3	71.0	78.2		79.0	79.0	79.0		19.0	79.0	79.0	79.0	79.0	79.0	79.0
		61.3		83.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
> 2000		67.7	84.7	92.7	93.6	93.6	4.46	4. 56	94.46	4.46	4.46	4.46	4.46	5.46	7.56	94.4
		67.7	84.7	92.7	93.6	93.6	94.46	4. 56	94.46	4.46	4.46	4.46	4.46	94.4	94.46	4.46
> 1500		4.69	86.3	95.2	90.0	96.0	96.8	96.8	96.8	00	8.96	96.8	90.96	96.8	8.06	96.8
		7.69	86.3	58.5	9.7.6	97.6	4.86	98.4	4.85	4.	98.4	4.86	4.06	98.4	98.4	98.4
1000		\$ 60	86.3	95.2	91.6	97.6	98.4	98.4	98.4	98.4	4.86	4.86	98.4	98.4	98.4	98.4
006		4.69	86.3	98.2	97.6	97.6	98.4	4.86	98.4	98.4	4.86	98.4	4.86	98.4	98.4	4.86
800 AI		4.60	0.0	0.96	4.86	98.	2.66	66.5	56.5	99.2	3.66	99.2	100.001	100.0	100.00	0000
		4.69	86.3	96.0	4.86	98.4	99.2	2.66	99.2	99.2	2.66	89.5	100.001	100.001	10000	0.00
009		4.69	86.3	96	4.86	96.4	99.2	99.2	99.2	2.66	99.2	2.66	100.001	100.001	100.001	100.0
> 200		4.69	86.3	0.96	4.89	4.86	99.2	3.66	2.66	99.2	2.66	•	100.00	100.0	100.001	0000
7 400		5.69	86.3	0.96	4.86	98.	99.2	86.5	99.2	99.2	99.5	.2	100.001	100.0	100.001	100.0
		5.69	36.3	96.0	98.6	4.86	7.66	2.66	99.2	2.66	3.66	~	100.00	100.0	100.001	0000
2 200		4.69	86.3	0.96	98.6	4.36	366	99.2	99.2	86.5	366	6.5	100.001	100.0	100.00	0.001
91		4.69	86.3	0.96	4.86	4 86	99.2	86.5	2.66	99.2	3.66	~	100.001	100.00	100.001	0.00
۸۱		560	86.3	0.96	98.4	486	2.66	99.2	99.5	96.5	99.5	99.2	100.001	100.0	100.001	100.0

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TOTAL NUMBER OF OBSERVATIONS

CHARLESTON, SOUTH CAROLINA NWSED 73-76

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HONTH

1.9 HOURS (1.5.T.)

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CEILING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	71	۸۱	۷۱ ۸۱	VI 4	٨١	≥ 2%	۵ ۸۱	٧١ ٧١	71	<u>-</u>	% Al	₹ ∧I	γ ΛΙ	≥ 5/16	VI N	٥
NO CEILING			7.		0	•			3		43.6		m.	43.6	43.6	43.6
7 20000		91.6	65.0	72.0	74.5	14.2	74.2	74.2	74.2	74.2	74.6			14.2	74.2	74.2
7 18000		51.6	65.0	72.6	74.5	14.2	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.2	74.2	74.2
> 16000		51.6	6.79	72.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
2 14000		52.4	63.7	73.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 12000		5.00	6009	76.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.5	78.2	78.2	78.2
		56.5	68.0	79.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
0006 Z		56.5	68.6	79.8	81.5	81.5	81.5	81.5	5	81,5	81.5	81.5	81.5	81.5	31.5	81.5
		59.7	73.4	84.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	80.3	86.3	86.3	86.3
> 7000		61.3	75.0	86.3	87.9	87.9	67.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	61.9
1		52.1	75.8	87.9	89.3	89.8	89.5	89.8	89.8	89.5	89.5	89.5	89.5	89.5	89.5	89.5
> 5000		62.1	73.8	87.9	89.5	89 8	89.5	89	89.8	89,5	89.5	89.5	89.5	89.5	89.5	89.8
		62.1	75.8	87.9	89.5	80.03	89.5	89	89.5	600	89.5	80 80	89.5	89.5	89.5	89.5
4000		62.1	73.8	87.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
		64.3	78.2	61.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
> 3000		6.00	79.0	65.3	4.46	5 76	4.46	94.46	4.46	4.46	4.46	54.46	64.4	94.46	4.46	5.46
		66.9	80.7	94.46	0.06	96.0	96.0	0.96	0.96	0.96				96.0	0.96	0.96
> 2000		68.6	83.9	97.6	99.5	99.2	99.2	99.2	99.2	39.5	36.5	36.5	2.66	99.2	2.66	2.66
N 1800		9.69	69.6	9.16	2.66	99.2	30.66	3.66		99,2				89.2	99.2	3.66
		68.6	83.9	97.6	36.5	99.2	3.66	99.2	99.2	2.66			2.66	99.5	2.66	3.66
N 1200		68.6		97.6	100.00	100.001	100.001	100.001	100.001	0000		0		100.0	100.001	0.00
		68.6	83.9	97.6	100.0	100.001	100.001	100.00	100.001	0.00	100.0	0.0		0	100.001	0.00
006 1		68.6	33.0	9.46	100.00	100.001	100.001	100.001	100001	0000		0.0		100.0	100.001	0.00
		68.6	6	97.6	100.0	100.001	100.00	100.01	100.001	0.001	100.0			100.0	100.01	0.00
2 700		0.80	63.6	97.0	100.0	100.001	100.001	100.001	100001	10000		0	.00	100.0	100.001	0.00
009 <		68.6	83.9	93.6	100.001	100.001	100.001	100.001	100.001	0.00	100.0	0		100.0	100.001	0.00
		68.6	83.9	97.6	100.0	100.001	100.001	100.001	100.001	0.001	100.0		100.00	100.0	100.001	0.00
Y 400		69.6	63.0	97.6	100.0	100.001	100.001	100.001	100.001	0.00	100.001	-	100.00	100.00	100.001	0.00
		56.6	5 · 60	97.0	100.0	100.001	100.001	100.00	100.001	0.001	100.0	0		100.0	100.00	0.00
> 200		68.6	83.9	97.6	100.0	100.001	100.001	100.001	100.001	0.00		100.00	100.0	100.0	100.001	0.00
		68.6	03.0	97.6	100.0	100.001	100.001	100.001	100.001	0.001		0	.00	0.0	100.001	0.00
٥		68.6	6.6	97.6	100.0	100.001	100.001	100.001	100.001	0.001	100.0	100.001	100.00	100.00	100.001	0.00

TOTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY

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(FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
(FEET)	0 1	٨١	۲۱ د	4	۳ ۱۸	≥ 21/2	۲۵ ۱۸	71 77	۷۱ پر	- AI	% AI	*	% Al	≥ 5/16	7	٥
NO CEILING		43.5	50.0	53	54.8	54.8	54.8	54.8	34.8	54.8		54.8	84.8	54.8	54.8	54.8
> 20000		57.3	71.8	77.4	79.0	0.62	79.0	79.0	79.0	19.0	79.0	0.67	19.0	79.0	29.0	79.0
N 18000		57.3	71.00	77.4	19.0	79.0	19.0	79.0	79.0	19.0	0.64	19.0	19.0	79.0	0.64	79.0
2 16000		57.3	20.	77.4	19.0	19.0	79.0	79.0	79.0	79.0	79.0	0.67	0.64	79.0	79.0	79.0
> 14000		57.3	71.8	77.4	19.0	79.0	79.0	79.0	79.0	19.0	79.0	29.0	19.0	19.0	0.64	79.0
≥ 12000		58.1	73.4	79.8	81.5	81.5	31.5	200	31.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
Z 10000		60.5	75.8	83°	83.9	63.9	83.9	93.9	83.9	63.9	83.9	83.9	83.9	83.9	83.9	83.9
0006 1		60.5	75.8	82.3	83.9	03	83.9	83.0	83.9	83.9	83.9	63.9	83.9	83.9	63.9	63.9
		64.3	19.8	36.3	6.78	6.18	6.78	67.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
> 7000		67.7	63	89.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	6	91.1
0009 1		67.7	63.1	8.00	91.1	1.16	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
> 2000		67.7	6.8	89.5	61.1	61.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
		67.7	83.1	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	61.1	91.1
× 4000		67.7	83	89.3	91.1	91.1	01.	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
> 3500		68.6	63.0	90.3	61.6	6.16	91.9	91.9	61.6	91.9	61.6	91.9	6116	91.9	61.6	6116
		69.4	84.7	91.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
> 2500		71.8	87.1	4.46	0.96	0.96	0.96	0.96	0.96	96.0	0.96	0.96	0.06	0.96	0.96	0.96
		71.8	87.9	98.3	96.8	97.6	91.6	97.6	91.6	91.6	91.6	97.6	91.6	97.6	91.0	91.6
7 1800		71.8	87.9	93.2	96.8	97.6	94.6	97.6	91.6	91.6					91.6	91.6
		72.5	69.5	8.96	98.4	89.2	39.5	99.2	99.2	88.5	3.66	•	2.66	99.2	366	99.2
2 1200		73.4	90.3	97.6	99.21	100.00	00.00	100.001	100.001	10000				10000	100001	0.00
		73.4	80.3	97.6	99.21	00 01	00.00	100.001	100.001	0		0	100.001		100.00	0000
006		73.4	6.06	91.6	99.21	100.01	0000	100.001	100.001	0	100	0	•	00.00	100.001	0.00
		73.4	90.	97.0	09.21	00 001	0000	100	10000	0	00	0	100.001	0000	100.001	0000
2 700		73.4	90.3	91.6	99.21	100.01	10.001	100.01	100.001	100.001		0	100.001	100.00	100.001	0.00
		73.4	00.3	97.6	36.5	100.01	0.001	100.01	100.00	0000	100.001	0		00.00	100.001	0.00
> 500		73.4	6006	9.46	99.21	100.001	0.001	0100.010	0100.01	100.00	100.001	0	100.001	00	0100.01	0.00
		73.4	90.3	97.6	99.21	10000	0010.001	100.001	00.00	0.001	0	0		00	0100.01	0.00
300		73.4	90.3	97.6	99.21	100.001	00.00	0.00	100.001	0.001	100.001	100.001	100.001	0	0100.01	0.00
		73.4	90.3	91.6	99.21	100.001	00.00	100.01	100.00	0000	100.0		0.0010	0	100.001	0.00
801		73.4	80.06	91.6	99.2	100.001	0010.00	100.01	100.001	0000	100.0100	100.001	100.001		0100.0010	0.00
		73.4	90.3	97.6	99.21	100 001	00.00	.0100.01	00.00	0000	0.001	00.0100.0100.0100.0100.0100	0000	00.00	.0100.01	0.00

TOTAL NUMBER OF OBSERVATIONS

2 1 2

13758 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	٨١	8	A1	٨١	> 21/2	2 1	71	71	- -	<i>≱</i> ∧I	a₹ ∧I	Z AI	2 5/16	VI S	٥
NO CEILING		0.08	42.9	48.0	50.0	00.04	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
00081		in				0.	67.2	1-1	67.2	67.2	67.2		67.2	67.2	67.2	67.2
00001 4		00	57.0			67.2	67.5	67.5	67.5	67.5	67.5			67.5	67.5	67.5
12000			58.7				69.5	6.0		69.5		69.5	69.5	69.0	69.5	69.5
VI VI 0000 0000 0000		40	0 5	100	72.0	72.2	72.5	72.5	72.5	72.5	72.5		72.5	72.5	72.5	72.5
V V 8000		54.6	67.0	78.0			78.0			78.5	78.5	78.5	81.2	78.5	78.5	78.5
									81.5	Marie Co.	-	-	-	-	:	81.5
		57.2	69.60	79.0	31.		0 · 1 · 0	-	31.6			81.6	81.6	8 8 9 6	81.6	81.6
1 1 1		97.6	70.3	79.6	20	81.9	N	82.2		82.2	2	82.2	2	82.2	82.2	82.2
> 3500		56.8	72.3	82.1	34.2	4			. 4	84.7	84.7	84.7	84.7	84.7	. 4	84.7
			74.0			4.00	9		9	0	9	. 0	0.	9	9	80.7
7 2500		0 4 W 10 W 10	0 1	0 15 00 15	000		0.4	0.16	91.0		90.06	96.6	- 0	96.0	96.0	0.10
			83.1	60		96.2					0	9	9	9	9	96.6
> 1500		68.2	84.1	95.2	97.3		98.1	1.86	98.1		00	98.1	1.86		1.86	98.1
VIVI 1000		69.1	4.0	96.1	98.0	4 6	9.86	0 66	0.66	99.0		99.0	99.0	99.0	0.66	99.0
			85.0	96		60		8.66				6	6	66.8		99.5
N 800			85.2	4.96			8.66	6.66	6.65	6.66	6	6.6		0	0	0.001
VIVI 000		69.2	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	96.4	98.96	666	99.8	000	6.66		0.66	99.9	00000	100.001	0000	100.0
			85.2		98.9	66.3		6.66		0	6	6.6	0.00	0	0.001	0.001
۱۷ 400		2.69	85.4	96.4	6.86		8.66	66.66		6.66	6.66	6.6	100.001		0.001	0.001
300		69.5	88.5	96.4	6.86		8.66		6.66	6.66	0	66.66	•	100.001	0000	0.001
7 200		69.5	65.2	4.96	6.86		3.66		6.66	6.66	6		0	10000	0.001	0.001
VI 80			S . S	96.4	6.36		9.66	66.6	6.66	6.66	6.66	6.66	0.001	100001	0.001	100.0
		69.5	85.2	96.4	6.86	66	0.66	6.66	6.66	6.66	6.66	6.66	0000	100001	00001	00001

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TOTAL NUMBER OF OBSERVATIONS

YEARS		TATION NAME	5
	73-76	CHARLESTON, SOUTH CAPOLINA NWSED 73-70	CHARLESTON, SO

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5	۰ ۸۱	۶۵ ۸۱	4	٨١	2 2 1/2	۲ ۸۱	77	VI %	~ Al	۸۱	≱ *	% AI	> 5/16	VI N	٨١
NO CEILING		7		63.7	64.5	64.5				64.5	64.5	64.5	54.5	64.5	64.5	64.5
> 20000		53.7	71.0	71.00	72.6	cv	72.6	72.6	N	72.6	2		72.6	72.6	72.6	72.6
≥ 18000		(10)	-	71.8						72.6	2.	72.6	72.6	72.6	72.6	72.6
N 16000		63.7	71.0	71.8	72.6	72.6	72.6	72.6	72.6	72.6	72.0			72.6	72.6	72.6
2 14000		103	71.0	71.8						72.6			72.6	72.6	2	72.6
≥ 12000		63.7		71.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
> 10000		6.99	75.0	1		76.6		76.6	76.6					76.6	76.6	76.6
0006 ~		68.6	76.0	77.4	78.2	78.2	78.2	78 2	78.2	78.2	78.2	78.2	78.5	78.2	78.2	78.2
N 8000		70.2		80.7	81.5			81.5	81.5					-		81.5
> 7000		71.0	82.3	63	83.9	83.9	83.9	83.9		83.9	83.9	83.9	83.9	83.9	83,9	83.9
		71.0	82.3	83.1		83.9	83.9	63.9		83.9	83.9	83.9	83.9	5	83.9	83.9
> 2000		71.0	82.3	83.1		93.9	83.9	6 8	63.9	83.9	83.9	83.9	83.9	83.9	83.9	83.0
		71.0	85.3	63		63.9	93.9	63.9	83.9	83.9	83.9	83.9	83.9		63.6	63.9
7 4000		71.0	5.3	63	-	83.9	83.9	63.9		83.9	83.9	83,9	83.9	83.9	83.9	83.9
> 3500		71.8		83.0	84.7	84.7	84.7	84.7		84.7		24.7		84.7		
> 3000		75.0	86.3	67.0	88.7	88.7	88.7	88.7	88.7	88.7		88.7	88.7		88.7	28.7
> 2500		78.2	-	4.46		2.56	95.2	3.56	95.2	95.2	95.2	95.2		5.5		95.2
		78.2		4.46		95.2	95.2	95.2	95.2	95.2			95.2		95.2	95.2
7 1800		78.2	61.6	\$ \$ \$6	98.5	95.2	95.2	95.2	95.2	95.2	85.5	95.2	39.5			
		79.0		98.3	97.6		97.6	97.6	97.6	97.6			91.0		91.6	97.6
2 1200			100	0.96	4.86	* OD	98.4	4.86	98.4	00	00	98.4	7. Bó	8	4.86	•
		79.8	503	96.8		0.				6		6			2.66	66.5
006		79.8	17		2.66	0		99.2	86.5	0				•	366	6
			10		6	6			99.2	6	6	0	2.66	0	86.5	
700		79.8	93.6	96.8	2.66	89.5	2.66	2.66	3.66		86.5	•		0	2.66	•
		79.8		96.8			2.66	99.2	99.2	99.2		0			6	99.2
> 500		79.8			99.2	2.66	2.66	5.66	99.5	99.2			7.66		366	2.66
			93.6	9.10	100.001	100.001	100.0	100.0	100.001	100.0			00.00	0	00001	0.00
300			93.0	91.6		100.00	0.001	100.001	0	100.001	100.001	0.0		0.0	100.001	0.00
		79.8	93.6	97.6		0	0.001	100.0	0	0.0	.00	0.0	00	0.0	00	0
90			179	97.0	100.001		0.001	100.0	0		0	0	000	0.0	0.001	
		7.9	0.8	91.0	100.001	100 001	100.0	100.0	100.00	100	0.001	10001	0.00	00.00	0000	0000

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

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CEILING VERSUS VISIBILITY AUG PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED 73-76

0.4 HOURS (1.5.T.)

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CERTING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	£S)						
(FEET)	71	۸۱	νς ΛΙ	4	ار د	2 2%	NI NI	71 77	VI 7.	- AI	% AI	**	Z AI	2 5/16	74	٥
NO CEILING		0.08	8.00 8.00 8.00	625.0	63.7	70.2	71.0	64.5	71.5	71.8	65.3	71.8	65.3	71.8	65.3	71.8
VI VI 00081 16000			10 10	0.0	00					71.8		71.8		71.8	-	77
N 14000								71.0				71.8	71.8	71.8		
VI VI 0000 0000		55.7		73.4	72.6	72.6	73.4	73.4	73.4	78.8		74.2	74.2	4 50	* 00	74.2
Y 8000		62.1	75.0	79.0	79.8	70 B	80.7	80.7	80.7	83.1	83.5	83.1	83.1	83.15	83.5	83.1
0009 8000 81 VI		62.1	76.6	80.7		8 1 8	60 60 22 60 50 60	80 00 80 00 80 00 80 00		2 E 8 8 E 8 E 8 E 8 E 8 E 8 E 8 E 8 E 8	1. 10 10 10 10 10 10 10 10 10 10 10 10 10	83.1 83.1	3	83.1	83.1	83.1
Y 4500 4000			76.6	80.7		8 E E	80 60 60 60 60	2 20		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	33.	50 00 60 00	പ്പ് നെനു യ	83.1	83.1	83.1
3200				OM				84.3	2		883 55	83.1	83.1		8 8 8 10 10 10	
V 1 2500 1 2000			m in		6-	0-	90.3	90.3	90.3	- m		(1)			- 10	
			5 5- 5	000				N En v	95.7		98.0	99.00	00000	\$ 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	96.00	98.00
		4 4 4	0 0 0 0	93.6	222	9 6 6	0.96	000	0.00	97.6	170				170	0
171 7171		4 4 4	3 3 3 3	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4				9000	0000	4 4 4	4 4 4	4 4 4 4	4.000	\$ \$ \$ \$ \$	4.86	4 4 4 4
VI VI 004 004			100 100						00					en en		
8 9 7 1 1 1		70.2		100.0	00	00	97.6	97.6	97.6	0.0		00	00	00	9.2	.66
80			0.00 0.00 0.00	95.2	96.0	000	97.0	97.6	97.6	99.2	2.66	3.66	99.5	N N	100.001	000.0

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TOTAL NUMBER OF OBSERVATIONS

HOURS (LST.)

CEILING VERSUS VISIBILITY

	YEARS	JRRENCE	(57
76		OF OCCL	FRVATION
734		EQUENCY	URLY OBS
SCOTA CARCILINA NESED		PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)
TH CARUL	TION NAME	PERCE	
S	STA		

CEILING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	(S)						
(FEET)	0 1	۰ ۸۱	۷۱ ۸۱	4	۸I	> 21/2	7	٧١ ٧١	VI 3.1	, ,	٧١	₹	% AI	≥ 5/16	71	٥
NO CEILING		37.1	43.4	4	1.65	61.3	65.8	63.7	63.7	63.7	63.7	63.7		64.5	64.3	64.8
7 18000			54.0	0 0 0	65.3	4	68.6	4	4	de	70.2		00	71.0	71.0	71.0
14000		300	54.0		000	6 99	0 00	0		70.2		70.2	70.5	71.0	71.0	71.0
2 14000			54.0	0				0				70.2		71.0	71.0	71.0
> 12000		40.3	54.0		66.1	67.7		70.2	70.2	71.0	71.0	71.0	71.0	71.8		71.8
N 10000		41.1	56.5	62.9		70.2	71.8	72.6	72.6	73.4	73.4	73,4	73.4	74.2		74.2
0006			57.3		-		73.4	4		5	5	20 1	0	75.8	0	
8000			2	71.0	76.6	7.8	0	ev i		3.5	. E	500		0 00		
			03.1		7 1 . 4	000		0	63.	লে গ		200		2 2 2 2		84.7
0000 8000 81 A		\$ 4 \$ 4	000	0 0 0	4.1.4	20	00	10 00	* co		000	0 0	0 00 0 14	- t × 0	1 . 48	1 . 4 . 4
		440	A 20			•	0 63	9 14	000			3 00	1	84.7		84.7
1 1 1		4		73.4		80.7			4 4 4 4	in	in		1	86.3		80
		48.4	0.00	73.4		0		4	84.7	10				86.3	86.3	
> 3000		48.4	65.3	73.4	79.0			84.7	84.7		85.5	85.5	85.5	86.3	86.3	86.3
2 2500			6.99	E/S	80.7	0	84.7	80.3	86.3	200	-		87.1	87.9	-	87.9
		52.4	4.69	77.4		3	87.1	88.7	88.7		89.5		3	80.3	90.3	8006
2 1800		32.4	4.69	77.4	3	84.7	27.1		88.7	89.5		89. 89.	89.5	90.3		8008
						0			90.3			91.1		91.9	-4	61.6
1200		24.0	-	29.0	*	0	900	80.3	•	1.		-	7.16	6		91.0
				0- 1	5	-		•		-	-	-	•			92.7
00 00		400		0.00	N 00 00	100	0.00		110	91.9		7 100	7 4	200	250	
		0 00 1 4 1 15	72.6		3 0			. 0	600	03.6	93.0	7 00	3 20			44.40
141		54.8		0	86.3	87.9	91.1	92.7	1 26	100		100			*	
		54.8	72.6	81.5			91.9	93.0	93.6	4.46	4.40	7.46	4.46	95.2	95.2	95.2
1 400		54.8	72.6	82.3	88.7		54.4	96.0	0.96	96.8	96.8	8.96	90.8	91.6	91.6	97.6
300		54.00	72.6		88.7	91.1	4.46	0.96	0.96	96.8	90.0	96.8	0	97.6	91.6	97.6
		54.8	72.6			91.1	6.46	96.0	0.96	0	96.8	96.8			44	
00 A		54.8	72.6	82.3	88.7	7	5.56	0.00	0.96	96.8	0			98.4	99.21	0000
		54.8	72.0	82.3	88.7	91.1	94.4	96.0	0.96	96.8	96.8	96.8	97.0	4000	99.20	0000

TOTAL NUMBER OF OBSERVATIONS

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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

1. C. Car ... (4.)

CHARLESTON, SDUTH CAROLINA NWSED 73-76

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM. HOURLY OBSERVATIONS)

10 HOURS (L S T)

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CEILING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	VI 5	۰ ۸۱	\$9 A1	4	e VI	≥ 21/2	7	VI 7/2	VI 7.	- AI	% Al	* ∧।	γ 7	2 5/16	VI N	٥
NO CEILING		31.5	40 .3	44.4	45.2	45.2	46.0	0.08	46.0	53.2	46.0	63.2	53.2	53.2	53.0	66.0
00081 7		(a) (0 4	50	52.4	200	53.5			200			W 10	53.2	me	53.2
1 4000		37.0	0	50.00	53.2	w en	54.0	24.0	54.0			3.	* *		4	
12000			4.84	6 4		4 4 4 6	56.5	50.00	56.5		101	20 20 20 20 20 20 20 20 20 20 20 20 20 2	101	200	+01	56.5
VI VIV		0 0 0	2 6 4 5	561.3	52.1	62 1 62 9	503.7	503	63.73	5 2 3 3 5 4 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	63.7	63.7	63.7	63.73	63.7	63.7
				62.1	62.9	62.9						04.5	64.5	64.5		64.5
VI VI 0004 0004			40	62.1	62.0	000	64.5	66.9	66.99	66.99	66.9	64.5	64.5	64.5	64.3	64.9
3200		45.0	57.3	68.6	66.1	66 1	67.7	71.0	71.0	71.0	67.7	71.0	71.0	71.0	71.0	71.0
17 2500		59.2	75.8	16": 6")	50		78.2	78.2	78.2	8 1	4 60	87.9	00 1-1	00 1	3 -1	87.9
		0.00	0000	8 8 8 8 8 8 8 8 8 8 8 8	0.50	91.1	93.6	93.6	93.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2000	93.0	0000	93.0	0.00	93.6
		an an		92.7		94 4		96.8	99		99	96.8		96.8	9 9	96.8
VI VIVI		66.00	0000	92.7	95.2	9 9 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8	97.6	97.6	97.6	97.6	97.6	97.6		97.6	97.6	97.6
VI VI 00 00 00 00		66.1	\$ 50 5 5 7	93.6	96.0	96.8	99.5	99.2	99.2	20		0.0				99.2
200 200 1010		66.1	5 50	94.46	90°00	97.6	100.0	100.001	100.001	00	00	00	000		00	0.00
80		56.1	0 0 0 0 0 0	4.46	96.00	97.0	100.001	00.0100.00	100.0100	00	100.001	00.00	100.00	100.001		1000

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CEILING VERSUS VISIBILITY JAN 68

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13 HOURS (1 S T)

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TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAPOLINA NWSED

CEILING							VIS	IBILITY (S	VISIBILITY (STATUTE MILES)	.ES)						
(FEET)	2	٨١	\$ 1	VI 4	N AI	> 21/2	71	V1 2/2	VI %	ĀI	VI %	₹	2	≥ 5/16	NI N	٨١
O CEILING		26.6	29.8	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33,
> 20000		32.3		-	41		41.9				41.	41.9	41.9	41.9	41.9	4
≥ 18000			36.3	41.1	6.14	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	
≥ 16000		32.3	36.3	41.1	41.9	41.0	41.9	41.9	41.	41.9	41.9	41.9	41.9	41.9	41.9	41.
7 14000		32.3	36.3	41.1	41.9	6.14	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.
≥ 12000		32.3	37.1	41.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.
		32.3	37.9	42.7	43.6	43.6	43.6	43.6	43.6	43.6	43.0	43.6	43.0	43.6	43.6	43.
0006			40.3	45.5	46.8	46.8	46.6	3 97		4	46.8	46.8	45.8	46.8	46.3	46.
		37	43.0	48	50.0	50.0	50.0	50.0	-		50.0	50.0	50.0	50.0	56.0	50.
7000		37.1	43.0	430			50.0	50.0		50.0		50.0	50.0	50.0	50.0	50.
1		37.1	43.6	4 84	50		50.0	O.C.				50.0	50.0	50.0		50.
2000		37.1	43.6	48.4			50.0					50.0	50.0			50.
		37.1	43.6	4. 4.	-		50.0		_		1	50.0	50.0		1	50.
4000		37.1	44.4	50.0	51.6		51.6	I/O				51.6	51.6			51.
		90	46.8	52.4	54.0		54.0	54	10	33			54.0	54.0	54.0	34
3000		48.4	55.7	61.3	65.9	65.9	65.6	62.9		65.9	65.9	65.0	65.9	65.9	65.6	62.
		62.0	74.2	70.0	81.5	10	8	50.1			81.5	81.5	81.5	81.5	81.5	81.
7 2000		70.2	82.3	87.9	90	is.	0.00	89.5	68	89.5	89.5	89.5	89.5	89.5	89.5	8
		70.2	82.5	87.9	89.5	89.5	89.5	89.5	68	89.5	89.5	89.5	89.5	89.5	89.5	89.
> 1500		75.00	88.7	95.2	94.6	97.6	97.6	97.6	97.6	97.6	97.6	91.6	97.6	97.6	97.6	97.
		76.6	89.5	96.0	4.80	4.86	98.4	98.4	98.4	4.86	4.86	4.86	98.4	98.4	98.4	
1000		76.6	89.5	96.0	99.2	8 66	2.66	99.2	99.2	99.2	99.5	366	88.5	2.66	99.5	.66
		76.6	89.5	96.0	99.2	99.2	99.5	66		99.2	99.5	99.2	99.2	99.2	3.66	66
N 800		76.6	89.5	0.96	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	2.66	99.2	2.66	66
		76.6	8.68	96.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	.66
000		76.6	89.5	96.0	99.2	2 66	99.5	99.2		99.2	99.2	99.2	3.66	99.2	2.66	.66
		76.6	89.5	0.96	2.66		2.66	66		99.2	2.66	88.5	3.66	2.66	99.2	66
1 400		77.4	90.3	96.8	100.0100.0100.0100.001	100.0	100.0	100.0	100.001	100.0	100.0010.00	100.001	00.0010.00	100,001	100.001	100
		77.4	90.3	96.3	100.0	100.001	100.0	100.0	10.0010.0010.0010.0010.0010.0010.0010.0010.0010	100.0	100.0	100.0	100.0		0010.0010.00	100
7 200		77.4	90.3	96.8	100.0	0.001	100.0	100,0	0010.0010.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100	100.0	100.0	10000	100.0	100.0	100.0	100
8		77.4	90.3	96.8	100.0	100.0	100.0	100.0	100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100	100.0	100.0	100.0	100.0	100.0	100.0	100
0		77.4		94.8	Inc. o	100.0	100.0	100.0	0.001	100.0	100.0	0.00	100.0	100.0	100.0	100

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CEILING VERSUS VISIBILITY JAN 68

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CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE CHARLESTON, SOUTH CAROLINA NWSED 73-76

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CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5	٨١	۶۵ ۱۸	4	۸۱	≥ 2%	1 2	V1 72	VI 21	-	VI %	a₹ Al	% AI	≥ 5/16	VI %	٨١
NO CEILING		37.1	38.7	38.7	39.5	50.00	39.5	30.00	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
× 18000			50.8	0	51.6	-	51.6	-		-	-	-	-	-	-	-
1,000			50.8	50.8	91.6	-	91.6	51.6	51.6	51.6	51.6	51.6	51.6	-	51.6	51.6
2 14000			50.8	50.8	51.6		51.6		91.6	-	-		-		51.6	51.
≥ 12000		48.4	50.3	50.8	51.6	51.6	51.6	51.6	51.6	51.6	51.0	51.6	51.6	51.6	51.6	51.6
V 10000		49.2	53.2	53.2		2	54.0	54.0		*	54.0	54.0	54.0	4		54.
0006 1			53.2	53	84.0	54.0	54.0	54.0	54.0	54.0	54.0	24.0		54.0	54.0	54.
		*	68.7	59.7		00.5	60.5		60.5		60.5		60.5	60.5	0	.09
× 7000		55.7	60.5	60.5	61.3			61.3	61.3	61.3				•	61.3	61.
j			61.3	61.3		62.1	-			N	62.1	62.1	N	2	2.	62.
> 2000		57.3	62.1	62.1	65.9	65.0	65.8	65.6	65.6	62.9		2		65.9	65.9	62.
į.		57.3	62.1									65.9	•	~		62.
7 4000			0.80		65.3	65.3	65.3	65.0	65.3	65.3	65.3	50	2	65.3		65
		5.00	64.5	6.99		67.7	67.7		-	-	-		-	-	-	67.
3000								71.8	71.8	71.8	-	-			-	7
		0	78.2	83.9	84.7		84.7	84.7		84.7	*	84.7		84.7	84.7	4 63
> 2000		78.0	0	90.3		91.1	61.6	91.9	61.6	91.9	-	-				.16
		75.0	34.7	60.00	•						-	61.6				91.
× 1500		77.4	87.9	03.0	95.5	95.2	0.96	96.0	0.96	0.96	0	.0	0	.0		96
		77.4	88.7	4.46	0.96	96.0		96.8		96.8	0	9				96
1000		77.4	89.5	95.2	96.8	96.8	97.0	97.6	9.7.6	97.6	97.6	97.6	97.6	7.	97.6	67.
		77.4		95.2	96.8	96.8		97.6		1	-	1.				. 10
008		77.4	89.5	98.3	96.8	96.8	97.6	97.6	9.7.6	97.6		91.6	-	97.6		97.
			39.5		96.8	96.00	91.6	97.6	97.6	-		-	-			.16
009		77.4	89.5	200	96.8	96.8	91.6	97.6	9.7.6	4986	4.86	98.4	98.4		98.4	98
		77.4	89.5	96.2	96.8	96.8	97.6	97.6	97.6		023	8	93	00	3	86
00 1		77.4	60.3	0.96	9.70	97.6	98.4	98.4	4.80		2.66	99.2	88.5	89.2	3.66	66
		77.4	90.3	0.96	91.6	91.6	4.86	4.86	4.86		99.2		3.	6	6	66
1 200		77.4	90.3	0.96	97.6	91.6	98.4	98.4	4.86		3.66	99.2	2.66	99.2		100.
8		77.4	90.3	0.96	91.6	94.6	98.4	\$ 96	4.86	99.2	6	6		6	0.00	
		7 66	200	O. AO	07 6	4 L6	400	7 20	4.00	00.0	000	000	000	000	0.00	000

5703 CEILING VERSUS VISIBILITY JAN 68

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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION AND THE NAME OF THE NAME OF THE STATION AND STATIO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH 19 HOURS (L S T)

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	۰ ۸۱	VI S	۸I	٨١	> 21/2	71	71 72	VI 7.	<u>-</u>	٧١	≱ *	γ ΛΙ	≥ 5/16	74	٨١
NO CEILING		4.84	50.8	54.3		S.	9		S	55.7	55.7	5		55.7	50	50
7,0000		0 0	•	•	000	00 0		4	00 0	10 0	0 0	e a	3 ×	0	x a	999
18000			600		0 0	0 0 0 0	0 4	000	000	000	0 4	• a	9 (2)	0 4	0 0	9 00
7 14000		50.7	63.3	. 1.0	20	000	0 00	600		00		68.6	68.6		68.6	
2 12000			66.1		71.0	-					-4	-	-	7	-	-
× 10000		N	4.69	73.4		74.2	74.2		74.2	74.2						74.2
0006		65.9	69.4	73.4	74.2		74.2	74.2	74.2		*					
N 8000		9	73.4	79.0	3.64	79.8	79.8	79.8	•	19.8	79.8	19.8	79.8	79.8	3.64	19.8
- 1		6.99	73.4	79.0		•	70.00	79.8	79.8		6			0		79.8
0009 A			73.4	29.0	79.8	79.8	79.8	79.8	39.8			19.8				79.8
> 2000		6.99	73.4	79.0	79.8		79.8	79.8	79.8	79.8	0					79.8
		6.69	73.4	79.0	79.8	79.8	79.8	79.8	3.64		79.8					
4000		0	73.4	79.0	79.8		79.8	79.8	79.8	6	6					79.8
		40	75,0	80.7		61.5	81.5		81.5	81.5		81.5		81.5	31.5	81.5
> 3000		68.5	75.0	80.7	81.5	81.5	81.5	81.5	81.5		-			81.5		5
		70.2	76.6	63			85.5	•	85.5	5	5					85.5
> 2000		72.6	80.7	88.7	90.3	90.3	90.3	0	90.3	0	0					90.3
2 1800		0	80.7	88.7		90.3	90.3	90.3	90.3				80.3			90.3
> 1500		75.0	83.1		95.2	•	95.2	96.0	96.0	9	9					96.0
1200		75.0	*	92.7	95.2	95.2	95.5	0.96		96.0	.0		0.06	96.0		0.96
		75.0	84.7	4.46		9.7.6			98.4	98.4	90					98.4
006		75.0	84.7		97.6	97.6	9.1.6	98.4		4.86	4.86	4.86	4.86	\$ · 06	•	98.4
		75.0		4. 46			97.6		98.4		00	98.4		98.4		98.4
		78.0	84.7	4. 46			91.6	98.4	4.86		4.86	98.4	3	48.		98.4
009		75.0	84.7	4. 46	91.6	91.6	97.6	98.4	98.4	98.4		4 86	4.36	98.4		98.4
2 500		75.0	84.7	4. 76	97.6	97.6	97.6	98.4	98.4	4.86		4.86		98.4	4.86	98.4
1 400		75.0	65.5	95.2	98.4	98.4	4.86	366	99.2	86.5		88.5	2.66		•	99.2
300		75.0	85.5	95.2	98.4		98.4	99.2	2.66	366	6	2.66	0		•	99.2
200		75.0	65.5	95.2	4.86		90.4	99.5	2.66	6			86.5	•		99.5
8		75.0	5.5	95.3	4.86	48.6	4.86	99.2	3.66	99.2	2.66	366	•		00.00	0000
- 1		75.0	85.5	95.3	98.4	98.4	98.4	99.2	99.5	0	6	-		99.2	00.00	000.0

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CHARLESTON, SOUTH CAROLINA NWSED 73-76 13758 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 HOURS (1 S T) AUG

							VISI	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	71	9	71	VI	M AI	≥ 2%	N N	VI %	VI \(\frac{1}{2}	- AI	AI	≯F Al	N N	2 5/16	VI N	٨١
NO CEILING		0.94	53.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
N 18000			4		7.		-	7	-		7	67.	2			67.7
1 15000			*	67.7	67.7	-	-	67.7	67.7	0	-	67.	:			
V 14000			•	0 69		0 4	1.00	1.00	1.10	100	•.	0 4	0 00	0 0	68.	0 84
00001 4		57.0	69.4	72.6	72.6		0 0	3 0			2 (1)	72.	12	0	2 2	72.
0006				73.4			73.4		73.4	73.4	3	73.	73.4	73.4		
			78.2	82.3		85.3	•	82.3	82.3	82.3	82.3	003	82.3	82.3	2	co
> 2000				*	(1)	•	83.1	675	83.1	83.1	m	903	83.1	83.1	83.1	83.1
0009 1			0.64	83.1	83.1	63.1		83.1	83.1	69	83.1	83.1		83.1	-	
			79.0	1 63	83,1			83.1		(X)			83.1	63.1		83.1
			29.0	83.1	3.		83.1	83.1	83.1	63.1					83.1	
× 4000			79.0	83.1	83.1	63.1	83.1	83.1	83.1	3.						83.1
		6.99	81.5	85.5	5		5	85.5	85.5	85.5		85.5	85.5		œ.	85.5
> 3000			82.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1		87.1	87.1	87.1	87.1	87.1
> 2500		70.2	30 30 30	91.1	-4	41.1	91.1	91.1	91.1	91.1	91.1	91.		91.1		91.1
				92.7	92.7		93.6	93.6	93.6	93.6	3	0		93.6		0
> 1800			67.1	92.7	92.7	93.6	93.6	93.6	93.6	93.6		63		*	93.6	93.6
> 1500		72.6	88.7	98.5	95.2	9	96.8	96.8	96.8		96.8		8.96		96.8	
			88.7	0.96		.0	91.6	97.6	97.6		-	0				97.6
0001 ×1		72.6	90.3	9.1.6	91.6	486	99.5	99.2	99.2	99.2	66.5	.66			89.5	2.66
			90.3	97.6	91.6	7 · 86	2.66	2.66	2.66	36.5	99.8	0			99.2	89.5
008			90.3	97.6	•	98.4	99.2	99.2	3.66	86.5	99.2	0	2.66		2.66	
			80.06	97.6		98.4	2.66	2.66	88.5	3.66			88.5			
009			90.3	97.6	97.0	98.4	2.66	99.2	99.2	99.2	2.66	99.2	89.5	89.2	6	366
			90.3	9.46	97.6		8.50	99.2	2.66	89.2	99.2	99.2	88.5	99.2	2.66	99.2
VI 004		72.6	90.3	4.86	4.86	99.21	0.001	100.0	100.0	0.001	100.0	10000	10000	100.0	100.0	100.0
			90.3	4.06	98.4	99.2	0.00	100.0	100.0	0.000		100.0	100.0	100.0	100.0	100.0
> 200			90.3	4.86	98.4	99.2	0.001	100.0		0.001	100.0		100.0	100.0	100.0	100.0
		72.6	60.0			99.21	0.001	0.0	0		000	100	.00	00	0	0
٥		72.6	90.3	4.86	98.4	36.5	0.001	100.001	0	0.0		100.0	100.0	100.0	100.0	100.0

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TOTAL NUMBER OF OBSERVATIONS

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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

CHARLESTON, SQUITH CARDLINA NWSED PERC

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	۱۸	80	A)	M Al	Y 2%	7	V1 %	VI 2.7	- AI	% AI	* 11	N)	> 5/16	N N	٨١
NO CEILING		41.0	48.0	50.9	52.1	52.3	52.7	52.0	52.3		52.9	52.9	52.9	53.0	53.0	53
00081 41 4			0 4	00			61.9					2.	NO	20		
14000		2 4	00				20	000		No		n in	N	01 50	Nim	
00001		50.6	0 0	6 4	4 10	4 10		in vo		10 0	50	50	00		65.7	
71 VI V V V V V V V V V V V V V V V V V V		55.0	65.7	70.2		71 8				N m	72.8	72.8	72.8	72.9	72.9	72.9
\$000 \$000		56.1	66.8										73.8	73.9	73.9	73.9
		56.2		71.3	72.7	72.9			73.7	73.9	73.9			74.0	74.0	78.0
3200		57.8		73.6	78.0			76.0				76.2		76.3		76.3
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		68.2	78.1	4 8 9	30.00	900	91.0	91.2	86.6			91.4	96.8	91.5	98.9	91.3
1800		70.07		· ·	0 m	04	91.0	20		-150	-10	91.4	- 0		91.5	91.8
		71.3		000				96.0	000	91	96.2	96.2	97.5	97.6	90.00	90.00
		71.5	80.0	0 00 00	96.0	0 0 0	97.3	97.6	97.6	01.0	97.9	97.9	97.9	98.0		88 0
		71.5	000	E 160	96.2	00	97.5		PF	සා ස	00 00	e e	20 20		00 00	
		71.6	87.				08.5	8	100	6			2.66	99.3		66.3
8 8 14 14		71.7	87.2	94.0	97.1	01.0	000	98	98.0	9.6	99.3		99.3	4 4		90.66
80		71.7	87.2	94.0	97.1	97.6	98.0	98.9	98.9	99.3	8.66	99.3	4.66	99.8	66.66	00000

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5703 CEILING VERSUS VISIBILITY JAN 68

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TOTAL NUMBER OF OBSERVATIONS

5703 CEILING VERSUS VISIBILITY JAN 68

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CEILING VERSUS VISIBILITY

CHARLESTON, SOUTH CAROLINA NWSED 73-76

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST.)

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	0 1	AI	S)	VI	N AI	> 21/2	1 2	VI 71	71 Al	- AI	M AI	* AI	% AI	≥ 5/16	VI 3	O AI
O CEILING		52.5	58.3	60.8		61.7	61.7	61.7	61.7	61.7	61.7	61.7	-	61.7	61.7	61.7
≥ 20000			65.0	68.3	69.2	69.2	2.69	69.2	69.2	2 60	69.2	69.5	69.5	69.2	69.2	69.2
> 18000		59.2	65.0	68.3		69.2	69.2	69.2	69.2	69.5	2.69	69.2	69.5	69.2	69.5	69.2
≥ 16000		50.0	65.0	68.3		69.2	69.2	69.2	69.2	5.69	69.2	69.2	69.5	69.2	2.69	69.2
> 14000		59.2	65.0	6.89	69.2	5.60	5.69	69.2	69.2	69.5	69.2	69.2	2.69	69.2	2.69	69.2
≥ 12000		59.5	65.0	68.3	69.2	69.2	69.5	69.2	69.5	69.2	2.69	69.5	69.5	69.2	2.69	2.69
2 10000		62.5	58.3	711.7	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
0006		62.5	68.3	711.7	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
		58.3	76.7	80.8	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
7000		68.3	77.5	81.7	32.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	32,5	82.5	82.5
1		68 3	77.5	181.7	82.5	85.5	82.5	82.5	32.5	82.5	82.5	82,5	82.5	82.5	82.5	82.5
2000		68.3	77.5	81.7	82.5	82.5		82.5		82.5	82.5	82.5	82.5	82.5	82.5	82.5
7		68.3	77.5	8	82.5	82.5	82.5	82.5		82.5	82.5	82.5	34.5	82.5	82.5	82.5
4000		69.2	79.2	83.3	84.2	5.40	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
			80.0	84.2	85.0	85.0	85.0	0.68	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
3000		70.0		85.0	86.7	86.7	86.7	86.7	86.7	86.7	36.7	86.7	86.7	86.7	86.7	86.7
		74.2	85.0	7.16	93.3	93.3	93.3	93.3	63.3	63.3	63.3	6		93.3	93.3	93.3
> 2000		75.0	36.7	93.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8		95.8	95.8	95.8	8 . 56
		75.0	86.7	93.3	95.8	95.8	95.8	95.8	95.8	95.8			95.8		95.8	95.8
1500		76.7	88.3	65.0	98.3	98	0.00	98.3	98.3	98.3	68.3	8	98.3			98.3
		76.7	88.8	95.8	98.3	98 3	98.3	98.3	98.3	98.3	98.3		98.3		98.3	98.3
0001		76.7	88.3	98.8	98.3	80.5	99.2	99.5	99.2	88.5	3.66	6	2.66	80.5	2.66	39.5
		76.7	86,3	95.8	00	99.2	2.66	2.66	2.66	36.5	2.66		. 56	99.2	2.66	36.5
008		76.7	88.3	00 50	99.2	100.001	0.00	100.001	100.0	100.001	00.00	0.001	100.0	100.0	100.0	0.001
		76.7	88.3	95.8	99.2	100.001	0.001	100.0	100.001	10000	0.00	0	0	100.0	0.001	0.001
009		76.7	88.3	95.8	99.5	0.001	0.001	100.0	100.00	100.001	0000	0	100.0		-1.	0.001
		76.7	88	95.8	66.5	0.001	0.00	0.001	100.0	10000	00	0.0	00		10	0.001
V 400		76.7	88.3	95.8	2.66	0000	0.001	100.0	0.001	100.00	0000	0.0	00		2	0.001
		76.7	88.3	0.00	2.66	100.00	0.001	0.001	100.0	10000		0.0	00	0	2	0.001
7 200		76.7	88.3	95.0	66.5	00000	0.001	100.0	100.00		00	0.0				0.001
801		76.7		95.8	6	0.001		0.001		ò	0	0		0	100	0.001
		76.7	38,3	95.6	7.66	10000	0.001	100.0	0.001	00.00	0.00	1000	100.0	1000	100.0	0.001

13758 STATION

EEL

CEILING VERSUS VISIBILITY JAN 68

990

0.4 HOURS (1.5.T.)

CEILING VERSUS VISIBILITY

T. B. Jan. B. W. S. C. S.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 73-76 CHARLESTON, SOUTH CAROLINA NWSPD

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	71	۰ ۸۱	85	A I	۳ ۱۸	≥ 2%	7	٧١ % ۲	VI 2.1	- Al	۸I	₹	Z AI	≥ 5/16	VI 34	٥
NO CEILING		5.44	50.0	54.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
> 18000		000	57.5	•	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65	63.0
2 16000			57.5	61.7	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
> 14000		50	57.5	61.7	65.0	0.59	0.89	0.50	65.0	65.0	65.0	0.59	0.69	65.0	65.0	65.0
> 12000		53.5	59.5	63.3	66.7	66.7	66.7	7.99	1.099	66.7	66.7	66.7	1.09	66.7	1.99	66.7
N 10000		.0	63.3	68.3	711.7	-	71.7	711.7	711.7		711.7	711.7	711.7	711.7	71.7	71.7
0006		56.7	63.3	68.3	71.7	71.7	711.7	71.7	71.7	711.7	71.7	711.7	71.7	711.7	71.7	71.7
		56.7	56.7	72.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	~	76.7	76.7	76.7	76.7
7000		57.5	67.5	74.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	-	78.3	78.3	78.3	78.3
			67.5	74.2	78.3	78 3	78.3	78.3		78.3	78.3	78.3	78.3	78.3	78.3	78.3
2 2000		57.5	67.5	74.2	79.2	79.2	79.2	79.2		79.2	79.2	79.2	79.5	79.2	79.5	79.2
		57.5	57.5	74.2	79.2	79.2	79.2	79.2		79.2	79.2	79.2	79.5	79.2	79.2	79.2
4000		58.3	68.3	75.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
		50.5	2.69	75.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
3000		0	69.5	75.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
			74.2	82.5	88.3	88	88.3	00	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
> 2000		68.0	77.5	85.8	91.7	92.5	92.5	92.5	92.5	92.5	95.5	92.5	65.26	92.3	95.5	92.5
> 1800		S. 0	77.5	80 80 80 80 80 80 80 80 80 80 80 80 80 8	91.7	3	92.5	92.5		92.5	95.5	95.5	65.5	92.5	10	95.5
> 1500			80.0	88.3	2. 56	0	95.0	0.56	0.56	0	95.0	0.56	0.56	95.0	0	95.0
> 1200		150	80.8	0.06	95.8	1	1.96	7.96	1.96	96.7	0	1.96	1.06	96.7	. 7	96.7
		67.5	81.7	90.8	90.7	87.5	97.5	97.5	97.5	5	97.5	97.5	97.5	97.5	97.5	97.5
006		67.8	81.7	90.8	7.96	97.5	97.5	97.5	57.5	97.5	61.5	97.5	61.5	97.5	97.5	97.5
		67.5	91.7	90.8	1.96	97.5	98.3	98.3	98.3	9.00	98.3	98.3	98.3	98.3	98.3	98.3
		67.8	81.7	90.06	96.7	97.5	98.3	98.3	98.3	98.3	98.3	98,3	98.3	98.3	98.3	98.3
009		67.5	81.7	8.06	1.96	97.5	98.3	98.3	98.3	98.3	98.3	98.3	698.3	98.3	98.3	98.3
		67.8	81.7	8 · 06	7.06	97.5	98.3	98.3	6.86	98.3	98.3	68.3	68.3	98.3	98.3	98.3
1 400		67.5	7.18	80.8	1.96	97.5	3.66	2.66	2.66	3.66	2.66	36.5	2.66	36.5	3666	3.66
		67.5	81.7	8.06	96.7	97.5	36.5	99.2	99.5	88.5	2.66	366	2.66	99.2	~	99.2
700		67.5	81.7	90.8	66.7	97.5	2.66	2.66	99.2	2.66	366		2.66	89.2	36.5	2.66
81		-	81.7		1.96		2.66	86.5	2.66					2.66	2	00.00
٨١		67.5	81.7	90.8	1.96	97.5	2.66	99.5	99.2	36.5	88.5	36.5	99.5	99.2	99.21	100.0

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

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CHARLESTON, SOUTH CARDLINA NWSED 73-75 PERCE

2222

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
	2	۰ ۸۱	50	4	۳ ۸۱	> 2%	7	V1 72	71	- A1	% Al	AF Al	Z AI	2 5/16	VI 34	0 11
NO CEILING		92			0				7	7.		.6	6	0	6	.6
> 20000		(1)	34.2	44.2	48.3	54.2	55.0	55.8	55.8	55.8	7.	1	1.	1		
≥ 18000		0			8	4		5	30	5	7.	7.	-	1.	-	
≥ 16000		*	34.2	44.2	48.3	54.5	55.0	55.8	55.8	55.8	1	-	1.			
N 14000		-				+	55.	in	5	1		57.5	57.5		-	
≥ 12000		24.2	35.8	4.5	0	55.8	56.7	57.5	57.5	57.5	59.5	6	6	0	6	
× 10000		*	35.8	46.7	52.5		6	0	0	0		gard)	65.5		2	
0006 1		24.2		46.7	2	58.3	59.5	0.09	0.09	0.09		-	2	2	3	62.5
1		0		60 60 60			0	0	0	0			72.5			72.5
7000		30.8	43.3	36.7	64.2	70.0	70.8	71.7	71.7	711.7	73.3	73.3	74.5	74.2	74.2	74.2
1			100	56.7			70.8		-							
> 2000		30.8	43.3	56.7	2.49	70.0	70.8	711.7		711.7		3	74.5	. 4	;	74.2
		0		57.5	5	70.8		72.5	2			4	5	75.0	5	
4000		0	43.3	58.3	65,8		73.3	74.2	74.2	*		5	70.7	9	0	76.7
		0	43.3				. 49	5				0	-	1	-	77.5
3000		32.5	45.0	61.7	69.5		76.7		77.5	77.5	79.2	6	0	0	0	
		1		69.2		*	87			50		-	30	00	3	
> 2000		5	52.5	2.69			87.5	88.3	88.3			0	.0	ċ	0	
			N		2.64	86.7		88.3		80		0				8.06
≥ 1500		37.5	52.3	69.2		88.3	0.06	8 06	00.0			2.	*	(17)	3.	3
> 1200		37.5	2		0	80	0	91.7	91.7	-	93.3		2.46	*		
0001 1			2			•	91.7	92.5	2	2		*	0.56	0.56	30	0.56
006			55.0	69.2	•	000		65.3		5	7.46	*	2		5	
		37.5	2.		0	•	65.26	63.3	63.3		0.56	5	95.8	•	95.8	5
700		37.5	52.5	70.0	80.8	0.06		93.3	93.3	en:	0.36	98.0	92.0	in		95.8
009 1		37.5	2	70.0	80.8	90.0	94.2	95.0	95.0	0.56	1.96	0	61.5		97.5	
> 500		37.5	53.3	70.8		806	0.86	98.8	95.8	95.8	97.5	97.5	6.96	30	8	
× 400		38.3	54.5	71.7	82.5	91.7	95.8	4.96		1.96	6.86		2.66	3.56	36.66	2.66
		38.3	34.2	71.7	5	41.		96.7	7.96	196.1	6.86					2.66
> 200		38	34.2	71.7	82.5	91.7	98.6	46.7	2.96	2.46	6.86	98.3	3.66	-		2.66
82		38		71.7	82.5	10		7.96	69.7	1006	98.3	68.3	2.66	99.5		
		38.3	54.2	71.7	02.5	91.7	98.8	7.96	7.06	1.96	98.3	98:3	3.66	99.2	99.2	0.00

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

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THE COLUMN TO TH
PERCENTAGE FREQUENCY OF OCCURRENCE

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
(156)	VI 0	۰ ۸۱	۷5 ۸۱	4	e ΛΙ	≥ 21/2	% AI	۷۱ ۲۶	VI	<u>-</u>	% Al	₹ ∧I	γ N	≥ 5/16	NI NI	0
NO CEILING		28.3	35.0	0		41.7	41.7	41.7	-	41.7	-	-		41.7		41.7
> 20000			45.0	S . s	23.3	23	53.3	53 3	53.3	53.3		3	53.3	53.3	53.3	53.3
N 18000		92.0	45.0	50.8	53.3	53.3	50	53.3			3	3	3	100	53.3	53,3
N 16000		35.00	45.0	50.8	53.3	53.3	33.5	53	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
> 14000		35.8	45.0	20.00	53.3	53	53.3	53		53.3		3	3	53.3	53.3	53.3
≥ 12000		80 80	0.64	50,8	53.3	53.3		100		53.3	53.3	53,3	53.3	53.3	53.3	53.3
2 10000		36.7	46.7	54.2	56.7	56.7	56.7	50.7	56.7	56.7	56.7	56.7		56.7	56.7	56.7
		60 80 60	48,3	(C)	58.3	53	58.5	58 3	58.3	58.3	58.3	58.3	58,3	58.3	58.3	58.3
N 8000		43.3	24.5	63.3		w)	65.8	65.8	65.8	65.8	3	5	0	•	65.8	65.8
- 1		43.3	54.5	63,3	65.00	65 8	65.8	65.8	65.8	65.8	65.8		65.8	65.8	65.8	65.8
		4	54.5	63.3	65.8	65.8	65.8	69.8	65.8	65.8	65.8		0	65.8	65.8	65,8
> 5000		43.3	54.5	63.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
		43.3	54.2	63.3	65.8	65.8	55.8	65.8	8.89	65.8	65.8	65.8	23	65.8	65.3	65.8
× 4000		44.2	95.0	64.2	66.7	66.7	66.7	66.7	66.7	66.7	56.7	66.7	66.7	66.7	66.7	1.99
> 3500		44.2	55.0	64.2	66.7	66.7	66.7	66.7	7.99	66.7	66.7		0	66.7	66.7	66.7
> 3000		46.7	57.5	67.8	70.0	70.8		70.8	70.8	70.8	0	70.8	70.8	70.8	70.8	70.8
2 2500		51.7	66.7	77.5	•	-		81.7	81.7	81.7	-		•			81.7
		53.3	70.0	81.7	31.5	86.3	88.9	٠ دی	88.3	68.3			30	88.3		88.3
N 1800			70.0		87.8	88	88.3	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	88.3	88.3	8	8	33	88.3	80	88.3
		55.00	74.2	86.7	92.5	63	93.3	93.3	93.3	93.3	93.3		93.3	93.3	93.3	93.3
7 1200		100 100 100	74.2	86.7	92.5		S .	93.3	63.3				m			93.3
1		56.7	75.0		34.5		95.0	95.0	0.50	95.0		3	2			95.0
006			75.0	00		·			5	87				10		
- 1			76.7	0	66.7	00	98.3	98.3	000	622	33	68.3		*		
1 700		57.0	76.7	0	1.96	*		69		00	00		20	00	00	
009		57.5	76.7	90.8	1.96	98.3	98.3	98.3	98	98.3	98.3	98.3	98.3	98.3	98.3	98.3
200		58.3	77.5	91.7	97.5	99.5	2.66	99.2	3.66	99.2	6	6	•		3.66	99.2
		58.3	77.5	91.7	67.5	99.8	2066	30.5	99.5	2.66	2.66	2.66	2.66	366	88.5	2.66
300		100 000 000 000	77.5	91.7	98.3	00.001	0.001	100.001	100.001	100.001	0		0	100.00	0.001	0.00
		58,3	77.5	1.16		100.001	0000	100.001	100.001	0	0.0	00	0	0.0	•	0.00
700		00	•	91.7		00.00	0.001	100.001	100.001	·	0.0	0.00	00	0.0		0.00
		58.3	77.5	91.7	98.3	10000	0000	100.001	100.001	100.0	100.0	0.0	100.001	0000	100.0	00.00

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

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50.0 50.0 50.0

48.3 48.3

48.3 50.0

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45.5 42.5 48.3 48.3

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CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CHARLESTON, SOUTH CARDLINA NWSED

VISIBILITY (STATUTE MILES) Al ٨١ ٨I 2

37.5 40.0 37.5 37.5 49.5 40.041. Al 17 ٨١

41.7 47.5

5000

ALAI

56.7 6.04

4500 3500

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50.8 53.3

59.2

50.0 50.8

53.3 90.0 50.0

59.2

79.2

75.0 82.5

682

2500 1800

11 11 AI AI

88.3 89.2

95.8

95.8

95.8 95.8 95.8 96.7

1.96

8.56 26.7

97.5 96.3

7.96

0.56 0.56

0.06

73.3

800

200

AI AI ALAI 200 500

AI AI AI AI

97.5

95.8 96.7

0.56

5. 76 98.0

72.5 889.3 73.3 90.0

34.5

93.3

87.5

7.96

1.96 8.56

89.2 89.2 89.2 89.2 95.0 95.0 95.8 95.8

98.3 98.3

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OTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY

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CHARLESTON, SOUTH CARDLI

	YEARS	ш	
-	4	ENTAGE FREQUENCY OF OCCURRENCE	
		Z.R.E	ŝ
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		ŏ	(FROM HOURLY OBSERVATIONS)
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	٨١	36	7.	7	50.0	55.0	25.	000	000	61.	61.	62.	. 99	71.	85.6	91.	91.	95.	.96	. 96	96.	98.	86	1.66	3.66	1.66	66	3.66	00.0	000
	74	7.5	20 11	:	0.0	2.0	0	2 · 0 · 0	00			2.5	66.7	1.7	3.0	1.7	1.1	8	96.7	2.96	60.7		98.3	2.66	2.66	2.66	99.2	N	99.210	99.21
	5/16	5.7	7.5 4	1	0 5	0	0 0	00.00	8	61.7 6		62.5 6	66.7 6	11.7 7	85.88	11.7 9	91.7 9	-	-		~	~	98.3 9	99.2 9	99.2 9	99.2 9	99.2 9	9.5	9.5	9.2
	ΛI % ΛΙ	36.7 3	47.5	47.5	0	0	200	000000000000000000000000000000000000000	20	61.7 6	~	62.5		71.7	85.8 8	61.16		on		~	-	ic.	98.3 9	99.2 9	66.5	N	99.2 9	2.	~	6 2.66
	₹	36.7	47.5	47.5	0	0	0	000	00	-		62.5	_		85.8	91.7	1.7	0	1.96	1.96	1.96	141	98.3	89.2	2.66	2.66	30.5	2	.2	2.66
	% AI	36.7	47.5	47.5	1	0	0	000	000	1.	2	65.5		1	85.8	91.7	~		~		~	98.3	68.3	2.66	3.66	2.66	99.5	.2	~	2.66
S)	_ ^I	36.7	47. 10.10	47.5	20.0	m :		000		51.7		65.5	66.7	711.7	88.8	91.7	7.16	9.56	1.96	96.7	7.96	98.3	98.3	99.5	99.2	3.66	99.2	39.5	3.66	99.2
VISIBILITY (STATUTE MILES)	۷۱ ۷۱	36.7	47.5	47.5	50.0		•	000 000 000 000		61.7	61.7	62.5	1.099	711.7	85.8	91.7	61.7	95.0	7.96	2.96	7.96	98.3	98.3	2.66	99.2	99.2	99.2	99.5	3.66	99.2
IBILITY (STA	VI %1	36.7	67.5	1 10	50.0	10	•	004			61.7	62.5	66.7	71.7	85.8	91.7	91.7	95.8	96.7	96.7	7.06	98.3	96	2.66	99.2	99.5	2.66	99.2	3.66	99.2
VIS	7 7	36.7	47.5	47.5	50.0	55.0	22.0	000	60.00	61.7	61.7	62.5	56.7	71.7	85.8	91.7	91.7	95.8	7.96	7.06	7.06	98.3	98.3	80.5	2.66	3.66	99.2	7.66	86.5	2.66
	≥ 2%	36.7	47.5	47.5	50.0	5	•	000		01.7	01.7	62.5	66.7	711.7	85.8	91.7	1.7	95.0	95.00	8 56	95.8	97.5	97.5	98.3	98.3	98 3	98.3	98.3	98.3	98.3
	κ Al	36.7	-	:	50.0			000		61.7	61.7	62.5	66.7	711.7	85.8	91.7	91.7	95.0	95.8	95.8	95.8	7.96	96.7	51.5	97.5	97.5	97.5	61.5	6.16	97.5
	VI 4	36.7	67.5	1 10	50.0	55.0		000		61.7	61.7	62.5	66.7	71.7	84.2	000	0.06	93.3	94.2	94.2	94.2	94.2	94.2	95.0	98.0	95.0	95.0	9	0.86	95.0
	\$5 A1	35.8	46.7	46.7	49.2	er e	500	200		0.09	0.09	60.8	0	69.2	80.8	85.0	85.8	89.2	0.06	90.0	0.06	90.0	0.06	90.8	90.8	90.6	90.8	90.8	90.8	90.8
	۰ ۸۱	32.5	43.3		45.8			n in	100	56.7		5.	58.3	62.5	70.0	13.3	73.3	76.7	77.5	77.5	77.5	77.5	77.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3
	VI 01																													
CEILING	(FEET)	NO CEILING	VI V 0000 16000		> 12000	10000		VI VI 2000 7000 7000	1	> 2000	> 4500		> 3500		> 2500	≥ 2000	N 1800		> 1200	2 1000	006			009		V 400		7 200	81	٨١

TOTAL NUMBER OF OBSERVATIONS

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5703 CEILING VERSUS VISIBILITY JAN 68

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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

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CHARLESTON, SOUTH CAROLINA NWSED

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Y OF OCCURRENCE BSERVATIONS)	GE FREQUENCY OF OCCURRENCE OM HOURLY OBSERVATIONS)		
SY OF OCCUR	QUENCY OF OCCUR	RENCE	_
Y OF BSERV	QUENCY OF RLY OBSERV.	OCCUR	ATIONS
	SUENC RLY O	Y OF	BSERV,

CEILING							VIS	SIBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5 71	۰ ۸۱	۶5 ۸۱	4	۳ ۸۱	≥ 21/2	71	۷۱ ۲۲	<u> </u>	~ ^I	% AI	<i>≱</i> * ∧I	% AI	> 5/16	27 Al	٨١
NO CEILING		34.5	50.00	43.3	63.8	43.3	43.3	\$ 40 \$ 0 \$ 0	43.8 8.00	60.00	43.3	43.3	43.3	43.3	60.8	63.3
VI VI 18000 16000			59.2	0.09		-		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000	00.00	8000	60.8 60.8	80.8	60.8		60.3
7 14000		2000	59.2	000		60 8	8000	8 0 0	60.8	80 es	00	60.8	00	00		60.8
VI VI 000 000 000 000 000		60 60 60 60 60 60	54.2	65.0		56.7	00	66.7		0 0	00	66.7	66.7		00	66.7
VI VI 7000			70.8		74.2	-	74.2	74.2	74.2		74.2	74.2	74.5	74.2	74.2	74.2
5000 5000		60.0	72.5	74.27	77.5	77 50	75.8	2 L	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
VI VI 4000		60.00		78.87	77.5	77 5	77.5	17 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
3200		60.8	75.0	76.7	78.3	78 38	78.3	80.3	36.08	78.3	30.8	30.3	80.8	80.8	78.3	78.3
> 2500		70.3	# 50 # 50 # 50	88	91.5	91.5	91.7	91.7	97.5	91.7	91.7	91.7	91.7	91.7	87.5	91.5
		72.5	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	00 00 00 00 00 00 00 00 00 00 00 00 00	95.8	91.7	7.00	90.7	91.7	91.7	91.7	91.7	90.7	96.7	91.7	91.7
		74.2	89.2		:::	66	666	99.2	000		00	99.5		99.2		99.2
8 8 8		74.2	2000	0000	00 00 00 00 00 00	1000	100.0	100	100.0	00000	00000	0000	0.00	1000	0.00	0.00
		74.2	89.2	95.0		00	100.0	00	00	00	100.001	0000	100.00		00000	0000
300		74.2	200	95.0	98.3	1000	100.001	100.0	100.00	100.00	100.001		00	100.00	00.00	0.001
80		74.2	89.2	95.0	98.9	100.0	100.0	100.0	100.00	00000	100.001	00.00	100.001	100.001	0.001	0.001

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5703 CEILING VERSUS VISIBILITY JAN 68

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CHARLESTON, SOUTH CARDLINA NWSED 73-76

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5	11	۶۶ ۸۱	VI	N N	≥ 2%	7	V1 7/2	71	VI -	% AI	*	22	VI So	5/16	71 7/ VI
NO CEILING		44.2			me i		51.7	51.7	-	-		51.7	51.7		-	ser .
2000			0.50		000		020	000	620		0000	0000	0.00		0	-
≥ 18000		56.	63.3	65.0	02.0	0.80	0.59	65.0	65.0	65.0	0.59	02.0	02.0	0	0	0 65.0
≥ 16000		56.7	63.3	65.0	65.0	65.0	65.0	68.0	65.0	65.0	65.0	65.0	65.0	65	0	0.65.0
≥ 14000		56.7	63.3	65.0	65.0	65.0	65.0	0.50	65.0	65.0	65.0	65.0	65.0	65	0	0 65.0
≥ 12000		56.7	63.3	65.0	65.0	0	65.0		1	68.0	65.0	65.0	65.0	65.0	0	0 65.0
≥ 10000		8.09	67.5	70.0		1-	70.0	1	20	70.0	70.0	70.0	70.0	-	0	1
0006 1		. C 9	67.5	70.0			70.0	70.		70.0	70.0	70.0	70.0	70.	0	0 70.0
		68.3	78.3	60	82.5	82.5	82.5	82	82.5	82.5	82.5	02.5	82.5	82.	w	5 82.5
> 2000		68.3	79.2	82.5	63.3	83.3	83.3	83.3	83.3	83.3	83,3	83,3	83.3	83	20	83
		68.3	79.2	200	83.3	63.3			83.3	(7)	83.3	83.3	83.3	63.	3	3 83.
> \$000		68.3	79.2	80	83	(E)	83.3		83.3		83.3	83.3	83.3	83.	3	3 83.
		68.3	79.2	100 100 100	83.3	63.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	60	143	33.33
× 4000		68.3	80.0	83.3	84.2	84.2	84.2	84.2	84.2	84,2	84.2	84.2	84.2	84.	N	84.2
		68.0	80.0	63	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	40.1	84.
3000		69.2	61.7	0.58	85.8	80 80 80	85.8	60	85.8	85.3	85.8	85.8	85.8	85.8		85.8
> 2500		70.8	0	68.3	36.5	89.2	2.68	6.63	89.2	89.2	89.2	89.2	89.2	89.2	2000	89.2
> 2000		73.3	67.5	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	-	. 61.
≥ 1800		73.3	87.5	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	-	91.
		75.0	0.06	0.86	1.96	96.7	96.7	96.7	7.96	96.7	1.96	96.7	1.06	96.7	-	96
> 1200		78.0	0.06	95.6	97.5	97.5	97.5	97.5	97.5	98.3	98.3	98.3	98.3	98.3	-	98
0001 <1		78.0	0.06	95.8	97.5	98.3	98.3	98.3	98.3	99.2	3.66	2.66	2.66	99.2	-	66
006		75.0	0.06	95.8	97.5	98.3	98.3	98.3	98.3	99.2	2.66	99.2	2.66	99.2		99.2
008 <		75.0	0.06	95.8	98.3	99.2	99.2	99.2	99.2	100.001	100.001	100.001	100.00	100.0		100.001
		75.0	90.0	95.8	98.3	99.2	5.66	99.2	99.2		00.00100.0100.0100.00	10000	100.00	-	-	000000000
009		75.0	0.06	98.8	98.3	99.2	99.5	99.2	99.2	100.0	00.0010.00	0.001	00.0010.00	-	-	0.0010.00
		75.0	90.0	96.8	699.3	99.2	99.2	99.2	99.2	100.0	00.00100.0100.0100.00	0.001	100.0	-		00.0010000
400		78.0	0.06	95.8	98.3	99.2	2.66	99.2	99.2	10000	0.0010.0010.0010.00	0.001	100.0	-	-	00.00100.000
		75.0	0.06	95.8	68.3	3.66	2.66	99.2	2.66	100,00100.	100,001	10000	00.0010.00	-	0	0.0010
7 200		75.0	0.06	98.8	98.3	99.2	99.2	99.2	99.2	100.001	100.001		00.0010.00	100.0	0	0.0010
8		75.0	0.06	95.8	08.3	99.2	30.6	99.2	66.5	100.001	100.001	100.00	100.001	100.0	-	0.0010
٥		75.0	0.06	95.8	68.3	99.2	99.5	99.2	99.2	100.001	0.001	0.001	0.001	0.00100.00100.00100.00100.001		100.001

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TOTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY JAN 68

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SQUIH CAROLINA NWSED 73-76

HOURS (1 S T. O HINOM

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CEILING							×15	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	71	۰ ۸۱	۶۶ ۸۱	4	δ. VI	> 21/2	N N	VI 2/2	VI 7.	- AI	% AI	* VI	% AI	Y 5/16	VI %	٨١
NO CEILING		24.0	41.0	44.1	55.5	56.00	\$ 10 0 0 0 0	56.9	0.00	0.00	57.1	57.1	57.1	46.3	46.3	57.1
VI VI 0000 1 4000		4 4	00		10 10				9.0	56.9	57.1	57.1	57.1	57.7	57.1	57.1
Y 14000 Y 12000			20.0	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	55.8	50.6	56.6	50.9	01	56.9	57.1	57.1	57.1	10 m	57.1	57.1
VI VI 0000 0000			4 10		0-	pret ;		61.9	-10	61.9		62.1	20			62.2
Y 8000 7 7000				67.0	00	70.7		70.0	0 -	0-					0-	
\$000 \$1.41			6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	67.8	70.0	70.7	70.9	71.0	71.0	71.6	71.3	71.3	71.9	71.9	71.9	71.4
Y 1 4500 4 4000		N N W 4	63.8	600	0 -	72.3		71.7	71.7	71.7	72.8	72.8	72.9	72.9	72.9	72.0
3200			67.0	73.0	72.7	73.5		73.9		73.9	74.1	74.1	4.	74.2	74.2	74.2
2 2500		62.2	78.5	82.2	85.1	90.8	86.4	986.5	86.5	91.5	91.4	91.4	80.08	91.5	86.8	91.5
YI YI W		64.6		80 0.0 0.4	93.3		0.0		40	91.2					-10	91.5
1200		67.1			5 5		98.9	00	00	96.2	000		0 -		00	97.3
VI VI		67.3	N 20 00	900				96.96			98.5	94.2	98.7	99 3	98.7	
		67.6	2000	0.00		97.7			D 00 0	0 00 0	000				000	99.1
VI VI 0004 004		67.8	3 C	91.5	98.0	98.0	99.0	0.6	0.00						9.66	9.66
300		67.8	32.8 82.8	91.3	96.0	98.1	99.1	99.2	2.66	60.00				9.66	99.7	99.7
80		67.8	8 25 8 2 25 8 3 25 8 3 2 8 3 3 6 3 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6	91.3	96.0	98.1	99.1	99.2	99.2	99.3	00.00	99.5	98.0	99.6	99.7	0.001

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CEILING VERSUS VISIBILITY JAN 68

TOTAL NUMBER OF OBSERVATIONS

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CHARLESTON, SOUTH CAROLINA NWSED

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				(FROM HOURLY OBSERVATIONS)	FROM	(FROM HOURLY OBSERVATIONS)	. Y OE	SERV/	NOLL	5)	_				HOURS (LST	- 2	
CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)							
(FEET)	71	۸۱	۷۱	VI	M Al	> 21/2	AI	VI %1	VI 7.	- -	% AI	*	Z AI	2 5/16	VI %	٥	r
NO CEILING		68.6	79.0	80.7	81.5	81.5	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	
> 20000		70.2	83	63	83.9	83.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	5/
V 18000			31.5	83.1	83.9	69.6	84.7	84.7	84.7	84.7	34.7	84.7	7.50		24.7	84.7	703
0000		70.2	0	63	83.9	93	24.7	7 9 9	04.7	24.		1 . 40	1 4 6	040	24.	54.7	(
N 14000		70.2	in.	3.1	83.9	93	84.7	86.7	84.7	84.7	84.7	1 . 40	84.1	2.49	84.7	84.7	CEI
≥ 12000		70.2	81.5	60	63.6	63	84.7	84.7	84.7		34.		84.7		84.7	84.7	LIN
2 10000		71.0	82.3	83	84.7	64.7	35.50	80 S. S.	85.5	85.5	85.5	50.00	35.5	500	85.5	85.5	٩G
		71.8	83.1	84.7	85.5	65.5	86.3	86.3	96.3	86.3	86.3	86.3	80.3	86.3	86.3	80.3	٧
		78.2	90.3	91.9	92.7	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	ER
> 7000			91.9	93.6	4.46	94.4	98.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	50
1		79.8	616	93.6	4.46	4.46	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	98.2	95.2	5
> 2000		79.8	91.9	93.6	4.46	4. 46	95.2	98.5	05.0	98.2	95.3	5.56	95.5	95.2	95.2	95.2	VIS
		70.8	91.9	63.6	4.46	4.46	95.2	95.2	95.2	98.2	95.2	95.2	95.2	95.2	95.2	95.2	SIBI
1 4000		79.8	616	93.6	4.46	94.4	98.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	5.56	95.2	LII
		80.7	94.49	96.0	96.8	96.8	97.6	97.6	9.7.6	97.6	91.6	97.6	01.6	97.6	91.6	91.6	T
> 3000		80.7	4.46	96	96.8	96.8	97.6	97.6	97.6	91.6	91.6	91.6	97.6	97.6	91.6	91.6)/
			95.2	96.8	91.6	0	48.4	98.4	98.4	98.4	98.4	4.86	98.4	98.4	98.4	98.4	AN
> 2000		201.0	0.96	97.6	98.4	4 8 6	2.66	2.66	2.66	2.66	99.2	99.2	2.66	99.2	2.66	2.66	٥
			0.06	97.6	4.80	98.4	99.2	66	99.2	99.2	2.66	99.2	2.66	366	3.66	2.66	8
≥ 1500		631.5	0.96	97.6	98.4	98.4	99.2	00	99.2	99.2	2.66	99.5	2.66	99.2	366	2.66	
		81.5	0.96	97.6	4.80	986	99.2	99.2	99.2	99.2	2.66	2.66	3.66	99.2	366	99.2	
2 1000		5	90.06	9.86	99.5	99.2	100.010	C	0100.0100.0100.0100.0100.0100.0100.	100.0	100.0	0.001	100.001	100.001	100.00100	0.00	
			96.8	\$ 86	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.00	100.0	10000	00.0100.0100.0100.0100.0100.0100.0100.0100.0100.	0.00	•
N 800		61.5	96.8	7 86	99.2	257	100.0	100,0	0100.0100.0100.0100.0100.0100.010	100.0	100.0	0.001	100.00	0.001	100.001	0.00	
			96.8	0	99.2	~	100.0	100.	100.0		100.0	100.0	100.00	0.001	100.0100.0100.0100.0100.0100.0100.	0.00	
009		81.5	96.8	98.4	99.2	2 66	100.0100.	100.0	100.0		100.0	0.001	0.001	0.001	0010.0010.0010.0010.0010.0010.0010	0.00	
			96.8	0	2.66	99.2	100.0	0	100.0	100.0	100.0	0.001	0.001	0.001	100.0100.0100.0100.0100.0100.0100.0100.	0.001	
V 400		801.5	96.8	98.4	99.2	99.2	100.0	0.0010.010.0010.0010.0010.0010.0010.0010.0010.00	100.0	100.0	100.0	0.001	100.001	0.001	100.0	100.0	
300		83.0	96.8	4.86	99.5	C/I	100.0	100.0010.0100.001	100.0	100.0100.0100.0100.0100.0	100.0	0.001	0.001	0.001	100.00100.	0.00	
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TOTAL NUMBER OF OBSERVATIONS

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(FEET)

NO CEILING

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VISIBILITY (STATUTE MILES)

HOURS (1 S.T.)

CEILING VERSUS VISIBILITY

r. 6. 18.

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED

CEILING VERSUS VISIBILITY JAN 68 5703

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TOTAL NUMBER OF OBSERVATIONS

124

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0.7 HOURS (1.5.7.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CHARLESTON, SOUTH CAROLINA NWSED

13758 STATION

NO CEILING

≥ 20000

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	٨١	57.7	77.	77.4	77.4	78.2	79.0	79.0	84.7	84.7	85.5	87.1	87.9	88.7	90.3	92.7	93.6	96.0	96.0	96.8	96.8	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	66.5	1000	100.0
	74	6699	76.6	76.6	76.6	77.4	78.2	78.2	83.9	83.9	84.7	86.3	87.1	87.9	89.5	616	1.26	95.2	95.2	0.96	0.96	96.8	9.1.6	91.6	91.6	97.6	91.0	91.6	91.6	91.6	98.4	38.4
	> 5/16	66.99	0	0	9	77.4	78.2	78.2	83.9	83.9	84.7	86.3	87.1	87.9	89.5	616	92.7	95.5	98.2	0.9	0.9	00	91.6	97.6	91.6	91.6	91.6	91.6	91.6			9.1.6
	% Al	6.09			76.6	77.4	78.2	78.5	83.9	83.9	84.7	86.3	87.1	6.18	89.5	61.6	1.76	95.5	95.2	0.96		8.06	9.16	97.0	91.6	0.16			91.6	91.0	91.6	0.16
	₹ ∧I	166.1			75.8	16.6	77.4	77.4	83,1	83.1	63.9	85.5	86.3	87.1	88.7	91.1	6116	4.46	4.46	95.2	95.5	0.96	8.96		8.96	8.96	96.8		96.3			8.96
	٧١	166.1	75.8		75.8	76.6	77.4	77.4	83.1	83.1	83.9	85.5	86.3	87.1	88.7	91.1	61.6	4.46	4.46	95.2	95.2	0.96	96.8	96.8	96.8	96.8	6.8	8.9	96.0	90.8	0	96.8
S	-	166.1	•		75.8	76.6	77.4	77.4	83.1	63.1	83.9	85.5	3	87.1	88.7	91.1		4.46	4.46	2.56	2.56	0.96	8.96	8.96	96.8	96.8	8.96	96.8	96.8	96.8		96.8
VISIBILITY (STATUTE MILES)	VI 2,1	1.99	78.8			76.6		77.4	63.1	83.1	63.9	85.5		87.1	88.7	6	616	93.6		94.4	4.46	95.2	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
BILITY (STA	۷۱ ۲۷	166.1	9	15	75.8	76.6		77.4	63	83.1	83.9	85.5	86.3	87.1	88.7	91.1	61.6	93.6	93.6	4.46	94.46	95.2		0.06	96.0	0.96	0.96	0.96	0.96	0.96	0.96	0.96
VISI	~ Al	56.1	1		75.8		77.4	77.4	83.1	83	83.9	85.5		87.1	88.7	91.1	6.16	93.6	93.6	4.46	4.46	93.5	96.0	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
	≥ 2%	103.7	10		72.6	73.4	74.2	74.2	79.8	79.8	80.7	82.3	80 80	6 68		87.9	88.7	90.3		91.1	91.1	91.1		-		616		6	1.9			616
	e Al	7.65	0 00	(2)		4.69	70.2	70.2	75.8	15.8	76.6	78.5		8.64	81.5	83.9	1. 48	86.3	86.3	87.1	87.1	87.1	61.9	87.9	6.78	87.9	87.9	87.9	87.9	87.9	87.9	67.9
	4	26.01			6.29	1	64.3	64.5	70.2	70.2	71.0	72.6	4 60	74.2	75.8	78.2	19.0	80.7	80.7	81.0	81.5	81.5	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
	۶۵ ۸۱	5.50	80.0	50.0	50.0		51.6	51.6	56.5	50.5	57.3	50.9	26.1	60.5	62.1		65.3	6.99	6.99	67.7	57.7	67.7	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.0	68.6
	۰ ۸۱	00	40.04				41.1	41.1	44.4	44.4	45.2	0.04		46.8	47.6	2.65	0	50.B	50.8	51.6	51.6	51.6	52.4					52.4	52.4	52.4	52.4	52.4
	5 71																															
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TOTAL NUMBER OF OBSERVATIONS

124

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CHARLESTON, SOUTH CAROLINA NWSED 73-76

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CEILING							VIS	VISIBILITY (STATUTE MILES	ATUTE MIL	ES)						
(FEET)	VI 5	٨١	۶۰ ۸۱	۷۱	٨١	2 2 1/2	7	VI 2,1	¥ 1	<u>-</u>	% AI	₹ ∧I	χ ΛΙ	≥ 5/16	ΛI	٨١
NO CEILING		4.44	60.5	66.1	0	4.69	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2		70.2
N 20000		49.2	65.3	71.0	•	14.2	75.0	75.0	5	75.0	75.0	75.0	•		75.0	75.0
≥ 18000		49.2	65.3	711.0	•	74.2	75.0	75.0	75.0	75.0	75.0	75.0	15.0	75.0	•	75.0
≥ 16000		50.0	66.1	71.8	75.0	75.0	75.8	78.8	75.8	75.8	75.8	75.8	15.8		75.8	75.8
> 14000		50.8	6.99	72.6	75.8	75	76.6	75.6	76.6	76.6	76.6	9.92	20.0	76.6		76.6
≥ 12000		51.6	67.7	73.4	76.6	76.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
N 10000		53.2	69.4	75.0	78.2	78.2	79.0	79.0	79.0	79.0			0.64			19.0
N 9000		53.2	69.4	78.0	78.2	78 2	79.0		79.0	79.0	19.0	19.0	19.0	19.0	19.0	19.0
		40	73.4	70.0	83.1	33.1	83.9	83.0	83.9	83.9	83.9	3	3	83.9		83.9
> 7000		56.5	73.4	79.0	83.1	63.1	83.9	83.9	83.9	83.9	83.9		83.9		83.9	83.9
		56.5	73.4	19.0	83.1	83.1		83.9	83.9	63.9	83.9	83.9		83.9		83.9
> 2000		58.1	75.0	80.7	84.7	84.7	85.5	88.8	85.5	85.5	85.5	85.5	85.5		\$5.5	85.5
		58.9	75.8	81.5	85.5	83	9	86.3		0.	86.3	86.3	85.3	86.3	86.3	86.3
1 4000		58.0	75.8	81.5	500	86.3	87.1	87.1	87.1	67.1	87.1	87.1	87.1	87.1	87.1	87.1
		58.9	75.8	81.5	85.5	86.00	87.1	87.1	1.700	87.1	87.1	87.1	87.1	87.1	87.1	87.1
3000		61.3	78.2	84.7	88.7	89.3	8.06	90.3	90.3	8006	90.3		90.3	90.3	80.3	8006
			78.2	84.7	88.7		0	60.3	80.3	0			8006			90.3
> 2000		65.3	82.3	88.7	92.7	93.6	4.46	4.46	4.46	4.46	94.4	4.46	4.46		4.46	4.46
1800		65.3	82.3	88.7	N	93.6	4.40	4.46	4.46		4.46		4.46		5.56	4.45
> 1500		65.3	82.3	89.8	93.6	94.4	25.5	2.56	95.2	95.2	95.2		2.66	95.2	95.2	2.65
7 1200		65.3			*			0.06	0.96		0.96	. 9	0.06		0.96	0.96
1000		66.1	83.9	91.9	0.96	96.8	0.16	97.6	97.6	91.6	91.6	-	91.6	97.6		91.6
0%		6.99	84.7	92.7	96.8	1.	4.86	96.4	4.86	4.86	4.86	80	4.86			
		67.7	35.5	93.6	97.6	4.86	2.66	99.2	99.5	2.66	6	366	2.66	6	2.66	2.66
700		67.7	0.2	93.6		98.4	3.66	5.66	2.66	3.66				0	2.66	39.5
000		57.7	83.5	94.46	98.4	99.21	0.00	100.001	100.0	0	00	0		0	0	0.00
2 200		67.7	•	4.46	4.86	99.21	00.00	100.001	100.001	0	.00	0			100.001	0.00
۲۷ 400		67.7	85.3	4. 46	48.4	99.21	00.00	100.001	100.001	100.001	100.001	00.00	•	100.00	100.001	0.00
300		67.7	85.3	4.46	4.80	99.21	0.00	100.001	100.0	100.00	100.001			00.00	100.001	0.00
7 200		67.7	85.5	\$ 4.6	98.4	99.21	0.00	100.00	100.0	100.00	100.001	0			100.001	0.00
8		67.7	50	4. 46			0.00	100.001	100.001	100.00		0	0000	0	100.00	0.00
- 1		67.7	65.5	4. 46	98.4	99.21	00.01	000	100.001	100.001	100.001	00.00	000	100.001	100.001	0000

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

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FRCENTAGE FREQUENCY OF OCCURREN	(FROM HOURLY OBSERVATIONS)
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CEILING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5	NI NI	8	4	N AI	2 2 %	1 2	71 77	71	- AI	AI	a₹ ∧I	AI	5/16	74	0
NO CEILING		-0		60.5	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
> 20000		65.3	70.2	70. 2	71.0	71.0	71.0	71.	7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
> 18000		10	70.2	70.2	71.0	71.0	71.0	71	7.1.	711.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000		65.3	70.2	70.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
> 14000		65.3	70.2	70.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000		66.1	71.0	71.0	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
> 10000		71.0	75.8	75.8	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.0	75.6
0006		71.0	75.8	75.8		76.6		76.6		76.6	76.6	76.6	76.6	76.6	76.6	76.6
		76.6	81.5	82.3		83.1	83.1	83.1	•	83.1	83.1	83.1	83.1	83.1		83.1
> 7000		76.6	50	82.3	83.1	83	83	63	83.1	83.1	83.1		83.1	83.1	83.1	83.1
		76.6	00	82.3	83.1	63	3.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	63.1
2 2000		77.4	82.3	83.1	83.9	83.9	60	83.9	83.9	83.9	83.9	83.9	83.9	63.9	83.9	83.9
		77.4	83.1	63.9	84.7	84.7	84.7	64.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
4000		78.2	83.9	34.7	85.5	85 55 50	85.5	85.5	85.5	85.5	85.5	83	85.5	85,5	85.5	85.5
		79.0	35.5	86.3	37.1	87.1	87.1		87.1	87.1	87.1	87.1	87.1	67.1	87.1	87.1
3000		79.8	86.3	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
		84.7	91.1	92.7	93.6	93.6	93.6		93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
> 2000		86.3	92.7	\$. 56	95.2	98.2	0.96	96.0	0.96	96.0	0.96	0.96	0.96	96.0	0.96	96.0
		86.3	92.7	5.76	95.2	95.2		0.96		96.0	0.96	0.96	0.96	96.0	0.96	96.0
> 1500		87.1	93.6	98.2	96.0	96.0	96.8	90.8	96.8	96.8	96.8	8.96	90.8	96.8	96.8	96.8
		87.1	93.6	95.2	0.96	96.0	96.8	96.8	8.96	96.8	96.8	96.8	90.8	96.8	96.8	96.3
V 1000		67.9	5.56	8.96	9.16	97.6	98.4	98.4	98.4	98.4	98.4	98.4	4.86	98.4	98.4	98.4
		87.9	95.2	96 ×	91.6	91.6	4.86	98.4	98.4	98.4	4.86	98.4	98.4	98.4	98.4	98.4
800		88.7	0.96	91.6	98.4	4.86	2.66	99.2	99.2	99.2	99.2	88.5	88.5	89.5	366	99.2
			0.96	97.6	4.86	98.4	2.66	2.66	99.2	99.2	99.2	366	99.2	99.2	99.2	99.2
009		88.7	96.0	97.6	99.2	99.2	100.001	100.001	100.001	100.0	100.0	100.001	100.0	100.001	10000	100.0
			0.06	9.1.6	99.2	99.2	100.0	100.001	100001	100.0	100.0	10000	100.0	100.0	100.0	100.0
400		7.88	96.0	97.6	99.2	99.2	100.001	100.001	100.001	100.0	100.0	100.001	100.00	100.001	0.001	100.0
		88.7	0.96	97.6	99.2	2 66	100.0	100.001	100.001	100,0	100.0	100.001	100.0	100.001	0.001	100.0
2 200		68.7	0.96	97.6	2.66	99.2	100.0	100.00	100.001	100.0	100.0	100.001	100.0	100.001	0.001	100.0
		88.7	96.0	97.6	99.2	99.2	100.0	100.01	100.001	100.0	100.0	10000	100.0	100.001	0.001	100.0
١٨١		88.7	0.96	97.6	2.66	99.2	100.0	100.0		100.0	100.0	100.001	100.0	100.0	0.001	100.0

TOTAL NUMBER OF OBSERVATIONS

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	r.	:	570	3	CE	ILI	NO	٠,	/ER	SU	S	VIS	іВ	LIT	Υ
	٥	58.9	73.4	74.2	74.2	75.0	77.4	78.2	85.5	86.3	86.3	86.3	86.3	87.9	89.5
1) Sanon	VI	58.9	73.4	74.2	74.2	75.0	77.4	78.2	5.0	86.3	86.3	86.3	86.3	87.9	89.8
		-	1		+	-			-		-			-	

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VI 2.7

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CEILING (FEET)

NO CEILING

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Y 14000 VI VI 0000 0000 0000 2000

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8000

4500

3500 2000

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1800

1200

800 200

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VISIBILITY (STATUTE MILES)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CHARLESTON, SOUTH CARDLINA NWSED 73-75

7	0	4	*	0	N	0	3	0	1	(0)	27	(4)	(7)	O.	20	-	N	40	9	0	4	cvi	O.i	0	0	O	0	0	0	0	0	0
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			-		-	~	1	-		200		00	00	0	90	0	0-	6	0	or	G.	66	6	100	0	100	01	10	100	10		0
	0	*	4	N	2.	0	4	~		3	103		113	0	25%	-	2	9.	0	0	4	2	~	0	0	0	0.	0	0	0	0	0.
	200		2		14	13	17	3	(N)	9	98	90	96	87	60	16	50	26	16	16	86	66	66	00	00	00	00	00	00	00	00	00
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1	58	3	m	74	74	3	77	20	2	36	86	9	90	1	0	-	10	1		16		66	60	00	00	00	00	00	0	00	00	00
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	20	13	13	14	14	75	77	78	30	86	86	86	86	87	00	16	50	10	63	16	86	66	66	66	00	66	60	66	66	66	00	66
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TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

80

ALAL ALAL

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200

1 9 HOURS (L S T

MONTH WONTH

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NO CEILING

≥ 20000

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CEILING VERSUS VISIBILITY

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	YEARS	CURRENCE	(SNO)
73-75		UENCY OF OC	(FROM HOURLY OBSERVATIONS)
CARDLINA NWSED	IAME	PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURI
CHARLESTON, SOUTH CAROLINA NWSED 73-7	STATION N		

300

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80

TOTAL NUMBER OF OBSERVATIONS

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≥ 5/16

22 HOURS (1 S T)

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CARDLINA NWSED

13758 STATION

VISIBILITY (STATUTE MILES)

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(FEET)

NO CEILING

≥ 20000

CEILING VERSUS VISIBILITY

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70.2 80.7

82.3

	J	AN	6	8				3	988								
	0.96	96.8	4.86	7.86	98.4	48.6	88.5	99.2	0.00	0.00	0.00	100.0	0.00	0.00	0.00	0.001	0.00
	0.96	96.8	4.86	98.4	98.4	98.4	2.66	2.66	100001	100.001	100.001	100.001	100.001	100.001	100.001	100.001	100.001
	96.0	96	80	4.86	98	98.4	66	99.2	100.00	100.0	100.00	100.001	100.0	0000	100.0	100.0	100.0
	0.96	0	e.	4.86	98.4	4.86		86.5	100.0	100.001	100.0	10000	100.0	0.0010	100.0	0.0010	100.0
	96	96.8	98	0					100.0	100.001	0.0010	10000	10000	0100.0	10000	100	100.0
	0.06 (8 96.8	98.4	98.4	98.4			66	0.0010	10.0010.00	00.00100.00	0.0010.00	00000000	0.0010.0	0.0010	0.0010	100.0
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	0 96.0	8 96.8		96 6	4 98.	98.	2 99.	2 99	0100	0010	0010	100.	0100.0	100.	0010	0100.0	0100.0
	96 0	96 8	4 98.	86	86	98	2 99.			0100		0100	0010	0100	0010	0100	0010
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	7 94.	. 76	4 96.	96	4 96.		2 96.		67	0	27		2 97.	16	2 97.	0	97.
					7 94.4												
-	79.	79.	80	80.	80.	80.	80.	000	900	80	80.	80.8	80.	80.	80.	୍ ୍ର	80.
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1500

800

ALAL ALAL

1200

900

200

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

300

80

CEILING VERSUS VISIBILITY

CHARLESTON, SOUTH CAROLINA NWSED 73-76

TATION TO THE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH MONTH

					The second second second	The second second	The second name of the last		Name and Address of the Owner, where the Owner, which the	The second secon	Control of the Contro					
(FEET)	5	٨١	۶۶ ۸۱	4	es Al	≥ 21/2	7	11/2	VI 2.1	- AI	۸۱ ۶۲	of Al	25 AI	≥ 5/16	VI M	٨١
NO CEILING			2.49	67.6	0	70.1	70.7	70.7	70.7	70.7	70.7	70.7	70.9	70.9	70.9	71.6
> 20000			70.4	74.0	76.2	76.7	77.4	77.4	77.4	•	77.4		77.6	77.6	77.6	77.
2 18000				74.0	76.2	76.7	77.4	77.4		77.4	77.4	77.4	77.6		77.6	77.
≥ 16000		61.0	70.6	74.2	76.4	76.9	77.6	77.6	77.6	77.6	77.6	77.6	77.8	77.8	77.8	77.9
2 14000			70.7	74.3				77.7	77.7			77.7	77.9	77.9	77.9	78.0
≥ 12000		61.5	71.2	74.8	77.0	77.5	78.2	78.2	78.2	78.2	78.2		78.4	78.4	78.4	78.
V 10000			73.3	76.9	79.1	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.5	80.5	80.
0006 1			73.7	77.3	79.5	80.0		80.8	80.8	-		0	81.0	81.0	81.0	81.
		0.69	79.8	83.8	0	86.7	87.4	87.4	87.4	87.4		87.4		87.6	87.6	87.
> 7000			80.3	84.4	86.9	87.4	88.1	88.1	88.1	88.1	88,1	00	88.3	88.3	88.3	88.
			80.5	84.6	87.1	87.6		86.3	•	•			88.5		88.5	88.
> 5000		70.0		85.1	87.0	88.1	88.8	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	68
		70.3	8 1 · 5	85.3	38.0	88	0	C. C.	6	89.2			89.4	89.4	89.4	6 83
4000		70.7	82.0	86.0	88.5	69.1	89.8	89.8	89.8	89.8	89.8	89.8	0.06	90.0	0.06	90.
		71.3	2.68	87.4		90.08		91.2		91.2	-	91.2	91.4	91.4	91.4	91.
> 3000		72.6	1.40	89.1	91.0	92.2	92.9	92.9	92.9	92.9	65.6		93.2	93.2	93.2	63
		*		90.08		60	*			9.46	0.46	*	94.8	94.8	94.8	94.
> 2000		75.6		92.5	95.2	95.8	1.96	7.96	7.96	96.8		0		97.0	97.0	97
≥ 1800		75.6		92.5	5			•		96.8	8.96	.0			97.0	97.
		-		2. 66	95.0	496	97.3	97.3	97.3	97.4	4.16	97.4	91.6	7		. 16
2 1200		76.1	88.6	93.4	0.96	96.6		97.5	37.5	91.6	91.6	91.6	8.16	97.8	97.8	97.9
		0		94.1	0	•	0	98.3		4.86	4.86	00		8	98.6	98
006 1		76.6	5.68	94.3	6.96	97.	98.5	98.5	98.5	•	98.6	98.6	8.86	98.8	98.8	98
		9	9.68	94.8		900		99.1	1.66	99.2	3.66	89.5			4.66	99.5
1 700		76.8	89.6	8.96	97.5	98.1	1.66	99.1	66.1	99.5	7.66	2065		99.4	5.66	66.8
009 1			89.0	6.76	7.76	98 3	6.66	66	66.3	4.66	4.66	4.66		99.66	98.6	. 66
2 200		76.9	29.7	95.0	8.16	98.4	4.66	9.66	4.66	96.8	66.8	8.66	1.66	7.66	4.66	8.66
			89.7	0.56	8.16	98.4	666	4.66	4.66	99.5	66.5	8 . 66		66.1	1.66	.66
300			1.68	0.56	8.16	4.86	•	4.66	4.66	99.5	66.5	99.3	2.66	1.66	49.7	66
7 200		76.9	89.7	0.86	97.8	98.4	4.66	4.66	4.66	80.66	66.5	66.8	1.66	1.66	4.66	66
81			89.7	95.0	8.16	98.4	4.66	4.66	4.66	66.8	66.5	8.66	1.66		8.66	100
0			89.7	95.0	97.8	98.4	9.66	99.4	4.66	80.5	66.5	99.5	1.66	66.1	8.66	100.

TOTAL NUMBER OF OBSERVATIONS

The state of the second second

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CARDLINA NWSED 73-75

NONTH MONTH

222

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	٨١	80	4	e vi	≥ 21/2	7	۲۱ ۱۲۶	VI VI	- AI	ΛI	x [€] ∧I	۸۱ ۲۸	> 5/16	V) 3	٥
NO CEILING		10		67.8		2.69	2.69	0	0		70.07	0	70.8	70.8		711.7
≥ 20000		0	71.7	72.5	73.3	74.2	74.2	75.0	75.0	75.0	3	75.0	0	75.8	75.8	76.7
≥ 18000		70.0				74.2	74.2						75.8	75.8		76.7
≥ 16000		0	71.7	72.5	73.3	74.2		75.0	75.0	75.0	75.0		3		75.8	76.7
7 14000		0	71.7		73,3		74.2			10		75.0	75.8	75.8		76.7
7 12000		0	72.5	73.3	74.2	75.0		75.8	75.8	75.8	75.8			76.7	76.7	77.5
V 10000		72.5	74.2	75.8		77.5			78.3		78.3	00	79.2		79.2	80.0
0006		72.5	74.2		76.7	77.5		76.3	78.3	78.3	3		•	79.2	79.2	80.0
		76.7			80.8	81.7	81.7			0	ev.		3	0	83.3	
7000		77.5	79.2	00°		50	82.5	83.3	83.3	83.3	83.3	3	84.2		84.2	85.0
1			79.2	80.8	00		82.5	68				63.3		*	84.2	85.0
2000		17.5	79.2	80.8	81.7	100 100 100 100 100 100 100 100 100 100	82.5		83.3	15	43		84.2	84.2	84.2	85.0
1				80.8		82.5	82.5				83.3	83.3	84.2	84.2		0.53
4000		79.2	80.8	82.5	83.3	84.2	84.2	un.		85.0	10		0	5	85.8	86.7
		0	80.8			84.2		0. 8B	100	EC.		95.0	85.8	85.8		
3000		80.0			85.0	85.8	85 80 80	-0		86.7	.0	.0	-		87.5	88.3
		0	63	0.28		86.7	86.7	87.5	-	87.5	87.5	87.5	88.3	88.3		89.2
2000		63	86.7	88.3		0.06	0.06	90.8	8.06	0	0	0	-		91.7	92.5
		151	86.7	88	89.2		0.06		8.06	0	0	8.06	-	-	91.7	92.5
> 1500		34.5	89.2	90.8	61.7	92.5	92.5	93.3		93.3	6	3		84.5	94.2	0.56
			89.2	900			92.5		m		93.3	93.3			94.5	0.56
0001 ×1		84.2		8.06	21.1	92.5	92.5	63.3	93.3	151	*	3	•	. 47	34.5	95.0
			89.2		91.7	3	92.5		03.3	•		3		5	34.5	
008		84.2	89.2	8.06	91.7	N	92.8	93.3	3	93.3	3	3	34.5	94.2	94.2	
			39.2	8.06	91.7	92.5	50.00	69	93.3		100	3		*	2.46	
000		84.2	89.2	90.8	41.7	92.3	8.00	63.3	63.3	93.3	m	93.3			24.5	0.56
			89.2	90.8	55.2	94.2		0.86			0.56	5	95.8	95.8	95.8	
141		3	89.2	8.06	63.3	95.0	0.56	95.8	95.8	95.8	95.8	5		1.96	46.7	97.5
		84.2	89.2	90.8	93.3	8.56	98.8	96.7		96.7				98.3	98.3	
500		84.2	89.2	8.06	93.3	95.8	9.80	7.96	7.96	7.96		1	68.3	1		2.66
		*	89.2	90.8	93.3	8 6 6	8.56	7.96	96.7	96.7	97.5	97.5	98.3	98.3		3.66
١٨١		84.2	0	90.8	93.3				96.7			-	6.86	98.3	98.3	0000
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5703 CEILING VERSUS VISIBILITY JAN 68

TOTAL NUMBER OF OBSERVATIONS

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NAVWEASERVCOM

13758 STATION

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CEILING VERSUS VISIBILITY JAN 68

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73-76 YEARS	PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
CHARLESTON. SOUTH CAPOLINA NWSED 73-75	PERCENTAGE FREQUI
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CEILING																
(FEET)	2	٨١	AI N	1	۸۱	> 2%	AI.	۷۱ ۱۳۶۶	۷۱ پر	- AI	% AI	≯ *	% %	5/16	VI %	٥
NO CEILING			2.	65.3	0	9		-	7.	6	70.0				0	711.7
≥ 20000			-0		70.8	70.8	711.7	71.7	711.7		74.2	74.2	74.2	74.2		75.8
≥ 18000		68.8		70.0				-		73.3	74.2	. 4		74.2	75.0	75.8
≥ 16000			9	70.0	70.8		711.7	71.7	71.7	10)	74.2	74.2	74.2		75.0	5
> 14000						0			711.7				•			5
≥ 12000			67.5		711.7	711.7	72.5	72.5	72.5		75.0	30	75.0	75.0	75.8	76.7
7 10000			69.2	72.5		73.3		74.2	74.2		76.7	76.7	76.7	76.7	77.5	78.3
0006					73.3	73.3	74.2			75.8	76.7	76.7		76.7		78.3
				75.8		76.7		77.5	•		80.0	80.0	0	80.0	0	
> 7000			72.5	75.8	76.7	76.7	77.5		77.5	79.2	80.0	80.0	80.0	80.0	80.8	81.7
1			72.5		76.7					0	80.0	80.0	80.0	80.0	80.8	81.7
2000			72.5	73.6		76.7	77.5	77.5	77.5	79.2	80.0	80.0	80.0			
					76.7					0	80.0			0	0	-
4000			74.2	77.5	78.3	78.3	79.2	79.2	79.2	80.8			81.7	81.7	82.5	83.3
		74.2	10	75.3		79.2				-	82.5	82.5	2	82.5		*
> 3000		74.2		0	80.0	80.0	0	0	80.8	82.5	83.3	83.3	83.3	60	84.2	10
		75.0		0			82.5	82.5	•	3	85.0	85.0	85.0		5	86.7
> 2000			0	84.2	85.0	85.0	47	10			88.3	88.3		88.3	89.2	0.06
			0			w.	85.8	8.8			8	8	30		0	
> 1500		79.2	80.6	86.7	2.7	87.5	88.3	8	88	0.06	90.8	8.06	•	90.8	91.7	~
> 1200		79.2		86.7	7.	7	*	88.3		0.06		90.8	90.8		•	
1000		79.2	80.8	.0	89.2	6	90.0	90.0	0.06			92.5	5		93.3	94.2
006		79.2		0		0	90.0				92.5	2.			*	4
		79.2	0	86.7	89.2	•	0	90.0	0.06	91.7	2	5	~	n.d	93.3	5.46
700		79.2	80.8	36.7					0.06		92.5	92.5	92.5	92.5		*
009 ~		79.2	0	86.7	89.2		0	0.06	0	91.7	92.5		•	evi.	93.3	. 4
200		79.2	80.8	36.7		90.0	90.8	90.8	•	92.5		63.3	103	93.3	*	10
		79.2		86.7	89.2		90.8	90.8	90.8	92.5				93.3	34.5	95.0
300		79.2			66.5		61.7	91.7	61.7		94.5		5		95.0	5
7 200		79.2		86.7	90.0	90.0	92.5	92.5	92.5	94.2	95.0				496.7	97.5
8				0	0	0	20.00	92.5				2			-	66.5
		79.2	80.8	36.7	90.0	90.8	92.5	92.5	92.5	94.2	95.0	95.0	1.06	90.7	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

7

13758 STATION

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120

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLING NWSED 73-76

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CEILING VERSUS VISIBILITY

TO COLUMN TOWN

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	۰ ۸۱	۶۵ ۸۱	VI	M Al	≥ 2%	N N	VI %1	VI 2.	, AI	% AI	% [®] ∧I	N X	≥ 5/16	VI N	٥
NO CEILING		46.7	50.8	55.0	56.7	58.3	60.00	62.5	62.3	63.3	64.2	64.2	65.0	65.0	65.0	65.0
VI VI 0000 1 VI 0000			4 4	ထောက	00		(4) (4)	10 W	in in	00	-		00 00	co co	00 so	00 00
V 1 14000 1 12000			3 10	00		01.0		10 v)	100		68.3	67.5				00
VI VI 0000 0006				60.09		0000	566.7	60.2		70.0	70.8	70.8	71.7	71.7	71.7	
VIVI 7000 7000			63.3	63.3		74 2	75.8	05 CP		79.2		80.08	80.8	80.8	80.8	80.8
000 8000 11 11		56.7		68.3	72.5	75.0	76.7	79.2	79.2	80.08	00	80.	81.7	81.7		81.7
V 4500 V 4000		0 00 0 00 0 00	65.8	70.07	74.2	76.77	78.3	80.8	80.8	81.7	8 82 8 83 8 83 8 83 8 83 8 83 8 83 8 83	00 00	83.48 84.48	843.3	84.2	83.3
3200			69.3	72.9		7.9.7 80.8		80 8	888	85.8	85.0		85.8	85.8	85.8	85.8
Y 2500		600	71.7	75.8	80.08 80.8	8 8 8 8 8 8 8	88.50 0.50	27.00	87.5	00 00 00 00 00 00 00 00	30.00		0.06	90.06	90.0	90.09
1500			71.7		00	m 10	50.7	90.06	90.0					50		0 8
		63.3			m + .		- 00	00				92.5	2 6 6		NO	
		0000	74.2	7 20 20 20 20 20 20 20 20 20 20 20 20 20	2 00 00 00 00 00 00 00 00 00 00 00 00 00	86.7	20 00 00 20 00 00	000	000	7 2 2 2	200	100	000	9 9 9	9 60 60	2000
					33		0.0	-					95.0		nn	100
			74.2	7.00		87.5	00	92.5	5.26	9 9 9 9	97.5	95.0	95.8	9 8 8 8	800	96.7
38,8			74.2	78	100	87.5	0			100	97.5	97.5		88	00	
8 °		64.2	74.2	7 00 00	88	0.7	00°00°00°00°00°00°00°00°00°00°00°00°00°	94.2	94.2	0 0 0 0 0 0	97.5	97.5	98.	98 98 98	98.0	100.00

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CHARLESTON, SOUTH CAPOLINA NWSED PERCEN

NTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	RRENC	12)
QUENCY RLY OBS	OF OCCU	ERVATION
	QUENCY	RLY OBS

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	5	۷ ۸۱	۷۶ ۸۱	VI 4	۸I	≥ 21/2	٨١	VI 2,1	VI %1		۷I %	≱ *	% Al	≥ 5/16	VI 74	٥
NO CEILING		47.5	54.2	0.09	61.7	62.8	62.5	62.5	62.5	62.5	62.5	62.5	65.5	62.5	62.5	62.5
2 20000			61.7		0	0	0		0	0	0	0	0	0		70.0
7 18000		30	61.7		69.2	70.0			70.0		70.0	70.0	70.0			70.0
2 16000		-	61.7	67.5	0		70.0	70.0	70.0	70.0				70.0	70.0	70.0
₹ 14000			62.5		.0					0	70.8					70.8
≥ 12000		55.0	63.3	0		71.7	71.7	71.7	711.7	711.7	711.7		711.7	71.7	71.7	711,7
N 10000		55.00	64.2	70.00	72.5	73.3		73.3		1003	73.3	73.3	3			73.3
0006 ~1		5.5	64.2	0	2		73.3	73.3	73.3	idi	73.3	3	73.3	73,3	73.3	73.3
N 8000		0.09	68.3	75.00		7.00				78.3		00	78.3			78.3
- 1		60.8	69.2	76.7		80.0	80.0	80.0	80.0				80.0	•	80.0	80.0
0009 3		8.09	69.2	76.7	79.5	80.0	30.0	0	80.0	0	80.0		80.0	80.0	80.0	80.0
> 2000		60.8	2.69		79.2	80.0		0		80.0	80.0	0	80.0	80.0	80.0	0.08
> 4500		61.7		77.8	80.0	80.8	0	0		0		0	80.8			
¥ 4000			71.7	80.0	82.5	100 100 100 100 100 100 100 100 100 100	83	83		00		5		83.3	83,3	53
> 3500					5	35. C.S.	5			85.8	85.8	85.8			5	
			75.0	63	86.7	87.5	87.5	87.5	87.5			7		87.5	87.5	87.5
2 2500		67.5	76.7	8.5	89.5	0.06		0	0.06	0	0.06	0	0.06	0.06		0.06
		m 20			0.06	0	91.7	91.7		91.7	41.7		61.7	91.7	41.7	41.7
2 1800		68 .3	77.5	•	0.06	90.8				-		-		91.7		91.7
1		-		7		50	94.2	94.2	94.2	-	5	5			0.56	0.56
> 1200		68.3		87.5	92.5	93.3		. 5	94.2	5	0.56	0.56		95	5	95.0
				0	3	*	0.56	95.0	0.50	10	50	3	•	87		
006			19.5	£ 63	93.3	4.	95.0	0.96	98.0	50	5	2	0	95.8		95.8
		200		00	*	94.2	0.86	5	95.0	8.66		5	0	5	95.8	95.8
2 700			79.2	80	63.3	*	0.86			10		5	95.0	95.00	95.8	
009 <1					2	*	0.56	123	95.0	98.86	5	95.8	•	5	8.56	95.8
> 200		69.2	79.5	ec.	93.3	94.2	95.8	95.8	95.8	96.7	1.96	9		96.7	1.96	40.5
					3			5		.0	0	96.7	1.06	0	0	46.7
300			5	e 8 8	•	94.2	99.8		97.5	96.5	0			86.5	2.66	3.66
		69,2	79.2			0	96.7	00	98.3	0000	00.001	00.01	.00	0	00.00	0
8 1				00 00 00	3	95.0	1.06	00	8.3	100.00	100.001	0	00	100.001	00.00	0
		69.5	79.5	00	93.3	95.0	96.7	98.3	98.3	0.00	100.001	00.00	0.00	100.001	00.00	0.00

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TOTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY JAN 68

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CEILING VERSUS VISIBILITY

CHARLESTON, SOUTH CAROLINA NWSED

13758 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

71.7 71.7 VISIBILITY (STATUTE MILES) 17 69.2 69.2 62.5 V 11/2 2 * 69 2.69 ۲ ۸۱ > 21/2

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0.06 86.7 87.5 89.2 79.2 80.8 79.2 31.7 78.3 79.2 79.5 79.5

93.3 95.0 9 91.7 92.5 91.7 92.5 86.7 8.06 80.8

30.0 81.7 86.7 88.3 78.3 3 0.08 85.0 89.2 72.5

89.2 90.8 0.06 74.2 77.5 74.2 79.2 80.8 80.8

80.8

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TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

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CEILING VERSUS VISIBILITY JAN 68

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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

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PEPCENTAGE ERECLIENCY OF OCCURRENCE
STATION NAME

NAME VERRS	
PERCENTAGE FREQUENCY OF OCCURRENCE	
(FROM HOURLY OBSERVATIONS)	

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	5	۰ ۱	۶5 ۸۱	VI	۸I	2 21/2	N N	VI 2%	VI VI		% AI	₹	% AI	> 5/16	7	٥
NO CEILING		61.7	m 0	0.0		65.0		69.0	65.0	65.0	0.00	65.0	65.0	65.0	65.0	65.0
		1 000	-	300				4	•		5	•	0 0	•	•	300
18000		000	7000	10.00	2 × 0 ×	0 0	70.00	0 0	200	200					50	100
7 14000		66.7	69.2	70.8	70.8			70.8							0	70.8
> 12000		67.5		711.7							-					711.7
> 10000		68,3	70.8	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
		68.3	70.8	72.5	72.5	12.5	72.5	72.5	72.5	72.5	72.5	72.5		72.5	72.5	72.5
		73,3	75.8	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
> 7000		76.7	79.2	61.7	61.17	81.7	81.7	81.7	81.7	81.7	81.7	81.7	83.47	81.7	81.7	81.7
		76.7	19.2	81.7	81.7	61.7	81.7	81.7	81.7	81.7	81.7			81.7	-	81.7
> 2000		76.7	79.5	81.7	81.7	91.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
		76.7	79.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7				61.7
1 4000		78.3	80.8	83.3	83.3	83.3	83.3	53	83.3	33	83,3	83.3	83.3	83,3	83.3	63.3
			-	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	36.7	80.7	86.7	86.7	86,7
> 3000		84.2	1.98	89.2	89.5	89.2	89.2	0.00	89.2	89.2	89.2	89.5	89.2	89.2	89.2	89.2
> 2500		85.8	88.3	8.06	90.06	91.7	91.7	91.07	01.7	91.07	-		*			91.7
		86.7	2.68	7.16	65.26	93.3	93.3	93.3	63.3	93.3	93.3	93.3	3	93.3	93.3	93.3
7 1800		86.7	2.68	91.7	92.5	93.3	63.3	0.00	03.3	93.3			1	3	93.3	93.3
		86.7	89.2	91.7	02.5	93.3	03.3	63.3		93.3	93.3	93.3	93,3	93.3	93.3	93.3
		86.7	0.06	92.5	03.3	94.5	94.2	2.06	94.2		94.5	34.5	04.5	34.5	94.5	94.2
> 1000		86.7	0.06	93.3	34.5	95.8	8.50	90.8	95.8	95.8	95.8	5	•	95.8	95.8	95.8
006 41		86.7	0.06	63.3	2.50	95.0	95.8	95.8	95.8	95.8	95.8			95.8	95.8	95,8
800		36.7	0.06	63.3	2.50	95.8	95.8	95.8	95.8	99.86	95.8	95.8	95.8	95.8	95.8	95.8
		87.5	90.8	94.2	0.56	96.7	96.7	96.7	96.7	46.7	96.7	1.96	1.06	7.96	96.7	96.7
009 <		87.5	9006	94.2	0.50	95.7	96.7	7.96	7.96	96.7	1006	7.96	1.06	96.7	60.7	96.7
> 200		87.5	90.8	6.26	95.0	96.7	96.7	96.7	96.7	96.7	96.7	196.7	90.7	7.96	1.96	7.96
7 400		87.5	8.06	94.2	0.50	7.96	97.5	97.5	07.5	97.5	97.5	97.5			97.5	97.5
		87.5	90.8	5.96	95.0	96.7	98.3	98.3	68.86	91103	98.3	98.3	3.66	99.2	88.5	99.2
> 200		87.5	0000	696	0.50	7.96	96.3	6.0	98.3	9003	686		2.66	99.5	2.66	99.2
100			90.8	94.2	0.56	96.7	98.3	98.3	98.3	98.3	68.3		10000	100.001	100.001	100.0
٥		87.5	90.8	94.2	0.56	96.7	96.3	900 3	98.3.	98.3	98,3	98.3	100.001	100.001	0000	0000

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TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

CHARLESTON, SGUTH CARDLINA NWSED 73-75

PERCENTAGE FREQUENCY OF OCCURRENCE

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5704 SKY COVER JAN 68

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CEILING VERSUS VISIBILITY

S. C. L. S. L. S. L. S.

73-76 CHARLESTON. SOUTH CARDLINA NWSED

HOURS CL S T .

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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VISI	7	70.8	72.5	72.5	72.5	72.5	75.0	77.5	77.5	82.5	82.5	82.5	
	≥ 21/2	70.8	72.5	72.5	72.5	72.5	75.0	77.5	77.5	~		50	
	es Al	8.0	2.5	5.5	2.5	5.5	5.0	7.5	7.5	5.5	2.5	2.5	

VI 5	71.	5 (E)	17	£0)	27			63		
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TOTAL NUMBER OF OBSERVATIONS

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NAVWEASERVCOM

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5704 SKY COVER JAN 68

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TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

CHARLESTON, SOUTH CAROLINA NWSED 73-75

ALL HOURS (LST)

NON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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CEILING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	(\$3						
	01	۸۱	۶۶ ۸۱	4	۷I	≥ 21/2	7	VI 7%	VI 7/2	- Aī	¥1	≯ *	ν, Al	≥ 5/16	VI %	٥
AO CEILING		59.6	62.8	6.49	65.5	65.9	666.3	66.8	66.8	67.2	67.4	4.10	67.6	67.6	67.7	68.0
00001		200	20.64	004	20	700	70.40	71.0	•	71.6	71.0	-	10	30	72.1	72.4
00091		63.0	0 7	0.00		100	0 0	71.2	71.5	711.6	71.8	0	72.0	72.0	72.1	72.4
7 14000		63.3	67.3	4 69		70.4		71.3	71.3	711.7	5.17	71.9	72.1	72.1	72.2	72.5
≥ 12000		4.40	68.4	70.3	71.2	71.6	71.9	72.4		72.8	73.0	73.0	73.2	73.2	73.3	73.7
N 10000		10		72.2	72.9	73.3		74.2	74.2	14.6	74.8	*		75.0	75.1	75.4
0006		68.6	70.0	72.3	73.0	13.4	73.8	74.3	74.3	74.7	3	*	75.1	5	73.5	75.5
		70.1	74.5	77.	27.9	78.4	78.8	79.3	79.3	79.7	6	0	80.1	80.1	80.2	80.5
> 7000		71.3	75.7	78.4	79.5	80.0	80.3	80.8	80.8	81.3	81.5	81.5		81.7	81.8	82.1
		11.	75.7	78.4	79.5	80.0	80.3	80.8	80.8	81.3	00	81.5	81.7		81.8	82.1
> 2000		71.4	75.8	139 Uni	79.6	80.1	80.4	6 08	80.9	81.4	81.6	81.6	81.8	81.8	81.9	82.2
		711.7	76.2	78.9	39.9	4 08	80.7	81.3	81.3	01.7	618	81.9	82.1	82.1	82.2	82.5
7 4000		73.0		80.4	81.5	82.0	52	82.8	82.8		83.4	83.4	83.7	83.7	83.8	84.1
		74.4	79.2	200	83.1	63.7	0.48	84.5	84.5	6.48	35.1	85.1	85.3	85.3	85.4	85.7
3000		75.5	80.7	83.7	84.9	85.5	35.00	86.4	9	86.8	87.0	87.0	87.2		87.3	87.6
		76.8	82.3	8.5	86.9	87.6	87.9	88.4	4.88	6.98	89.1	6	89.3	89.3	5.68	
> 2000		78.4	84.2	87.6	1.68	89.8	90.5	90.7	7.06	91.2	91.4	91.4	91.6	91.6	91.7	92.0
		78.4	84.2	87.6	1.60		90.2	90.7	2.06	91.2	4.16			-	41.7	92.0
> 1500		79.0	35.3	89.1	8.06	91.7	92.1	95.6	92.6	93.1	93.3	3	93.5	93.5	93.7	0.46
			85.7	8.08	91.3	92.1	65.8	93.0	93.0	93.5	93.8	93.00	0.96	0.76	94.1	4.46
2 1000		79.3	85.9	89.8	6.16	92.9	93.3	63.0	93.9	4.46	94.6	94.6	. 4	. 4	6.46	
		79.3	85.9	89.8	91.9	93.0	93.4	0.48	0.46	94.5	1.46	*	0.00	6.46	95.0	95.3
008		79.3	85.9	89.8	61.6	93.0	93.4	0.46	0.46	64.5	1. 46		6.46	6.46	95.0	95.3
		79.4	86.0	60.0	92.0	93.1	93.5	94.1	1.46	94.6	8.46		0.56	95.0	95.1	4.56
009		79.4	86.0	6.69	92.1	93.2	93.8	5000	4.46	0.00	95.2	95.2	4.66	98.4	95.5	62.6
		19.4	86.2	0.06	92.3	93.7	94.3	6.46	6.46	95.5	1.56	5	62.6	6.56	0.96	96.5
V 400		19.4	86.2	0.06	92.5	93.9	94.8	40.00	95.4	0.96	6.96	6.96	60.5		96.6	0.16
		79.4	86.2	90.1	92.7	4.46	7.56	6.96	6.96	91.6	0.86		68.3	98.3	7.86	6.86
> 200		79.4	86.5	90.1	95.8	94.6	65.6	97.1	97.1	97.8	98.5	•	98.7		98.8	2.66
81		79.4	86.2	90.1	95.8	94.6		97.1	97.1			98.2		98.9	0.66	66.8
- 1	1	19.4	86.2	90 1	95.8	94.0	95.9	97.1	97.1	97.8	2.86		6.06	C C7	0.66	0000

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5704 SKY COVER JAN 68

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5703 CEILING VERSUS VISIBILITY JAN 68

CHARLESTON SOUTH CAROLINA NWSED 73-75

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH
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CEILING (FEET)							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
	2	٨١	۸۱ دو	4	e ۸۱	> 21/2	7	VI %1	¥1 21	<u>_</u>	AI	₹	χ ΛΙ	≥ 5/16	٧I	11
IO CEILING		55.7	56.5	56.5	56.5		57.3		57.3	57.3	57.3		57.3		57.3	57.3
₹ 20000		58	58.9	58.9	58.9	59.7	59.7	59.7	89 7	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 18000		58	58.9	58.9	\$8.9	59.7	59.7	59.7	59.7	60.5	50.5	60.5	60.3	60.5	60.5	60.5
00091 ⋜		58.1	58.9	58.9	58.9	59.1	59.7	59.7	1.65	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 14000		58.1	58.9	58.9	58.9	59.7	59.7	59.7	59.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 12000		58.9	26.5	59.7	59.7	60.5	60.5	60.5	60.5	61.3	61.3	61.3	61.3	61,3	61.3	61.3
N 10000		60.5	61.3	61.3	61.3	62.1	62.1	62.1	62.1	65.9	65.9	65.9	65.8	65.9	65.9	62.9
2 9000		60.5	61.3	61.3	61.3	02.1	62.1	62.1	62.1	65.9	62.9	65.6	6.79	65.9	65.6	62.5
			65.3	65.3		6.99	6.99	66.9	6.99	67.7	1	67.7	67.7	67.7	67.7	67.7
7 7000		64.5	66.1	1.99	6.09	67.7	67.7	67.7	67.7	68.6	68.6	68.6	9.89	68.6	68.6	68.6
		64.5	66.1	66.1	6.99	57.7	67.7	67.7	67.7	68.6	0	68.6	9.89	68.6	9.89	68.6
> 2000		64.5	66.1	1.99	6.99	67.7	67.7	67.7	67.7	80	68.6	68.6	9.89	68.6	9.89	68.6
		65.3	6.99	1	-	68.6	68.6		68.6	4.69	69.4	7.69	4.69	4.69	4.69	69.4
4000		-	4.69			71.0	71.0	7.	71.0	-	71,8	71.8	71.8	71.8	71.8	71.
		70.2	72.6		.+	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0
3000		71.8	74.2		75.8	76.6	76.6	76	76.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4
		73.4	76.6	77.4	19.0	79.8	79.8	79.8	79.8	80.7	80.7	80.7	80.7	80.7	80.7	80.7
> 2000		77.4	80.7	83.1	84.7	65.5	85.5	85.5	35.5	86.3	86.3	86.3	86.3	86.3	86.3	86.3
		77.4	80.7	60	84.7	85	85.5	85.5	85.5	86.3	86.3	86.3	80.3	86.3	86.3	86.3
≥ 1500		79.0	200	84.7	86.3	87.1	87.1	87.1	87.1	87.9	87.9	87.9	87.9	87.9	87.9	87.5
		79.0		84.7	86.3	87.1	87.1	87.1	87.1	87.9	87.9	87.9	87.9	87.9	87.9	87.5
> 1000		79.8	83.1	67.1	89.5	91.1	91.1	91.1	91.1	91.9	616	6116	6116	61.6	61.6	91.9
006		79.8	83.1	67.1	89.5	21.1	91.1	91.1	91.1	91.9	616	91.9	61.6	91.9	616	91.9
		79.8	83.1	87.1	89.5	91.1	91.1	91.1		616	616	6116	616	616	616	91.6
700		79.8	83.1	87.1	89.5	91.1	1.16	91.1	91.1	91.9	616	6116	61.6	91.9	61.6	91.9
009		79.8	83.1	87.1	89.5	91.1	91.1	91.1	91.1	91.9	616	6116	6116	91.9	61.6	91.9
		79.8	83.1	87.9	90.3	61.6	616	91.9	91.9	92.7	92.7	92.7	93.6	93.6	93.6	93.6
V 400		80.7	84.7	91.1	93.6	50.00	95.2	95.2	95.2	0.96	0.96	0.96	96.8	96.8	8.96	96.
		80.7	84.7	91.1	4.46	1	0.96	96.0		96.8	m	96.8	91.6	97.6	97.6	97.6
> 200		80.7	84.7	91.1	4.46	0.96	0.06	96.0	0.96	8.96	-	96.8	91.6	91.6	97.6	97.6
80			84.7	91.1	4.46	0.96	0.96	0.96	0.96	96.8	96.8		9.1.6	94.6	4.86	98.4
- 1		80.7	84.7	91.1	4.46	96.0	0.96	96.0	96.0	96.8	96.8	96.9	91.6	97.6	98.4	00.0

NAVWEASERVCOM

TOTAL NUMBER OF OBSERVATIONS

The season was a season of the season of the

1234-18766

CEILING VERSUS VISIBILITY

CHARLESTON, SOUTH CAROLINA NWSED

04 HOURS (1 S T) DEC

2000

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	71	۸۱	νς ΛΙ	4	ε Al	≥ 21/2	۲ ۱۸	VI 2/2	٧١ ٧٢	- AI	% AI	<i>≱</i> *	VI VI	≥ 5/16	VI N	٥
NO CEILING		58.5	57.3	5.8 0.0 0.0	60.5	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
VI VI 16000		5.65	58.9		62.1	NN	No	62.9	62.9	NN	NN	62.9	NN	NN		200
Y 14000			58.9	0.00	62.9	62.9	63.9		62.9	63.7	63.9	62.9	62.8	62.9	62.9	62.9
VI VI 0000 0000		00	61.3	62.9	64.5	65 65 3	65.3	65.0	65.3	65.3	655	65.3	65.3	65.3	65.3	65.3
VI VI 7000 7000		10 4	65.3			70.2	70.2			0 -	70.2	70.2	70.2	70.2	0-	70.2
8 8000 8 8000 8 8000		4 4		67.7		71.0	71.0	71.0	71.0	71.0	71.0	71.0		71.0	71.0	71.0
VIV 4000		20		68.6		71.	71.0	71.0	71.0	71.0		71.0		71.0		71.8
3200		-0	71.0				75.0		75.0	75.0	75.0	75.0	· ·		in	73.0
				2 C	78.2	39.0	83.9			0 00				0 00	500	9 6
		4.	79.8	0 0 0		8 7 9 1	00 00 00	0000	0000	0000		0000	3000	1 1 7	0000	2000
		77.4	80.7	84.7	20.00		000		91.1			91.1		91.1		91.1
			82.0	200		6.16	92.7	92.7	92.7	92.7	(1)	93.6	93.6	93.6	00 0	93.6
		0 0		86.3	89.5		92.7		92.7		60 K	93.6			me	93.6
VI VI 00 04		70.8	83.1	89	93.6	96.0						98.4		4 86		98.4
200 1414		79.8	8 8 8 3 1.	80 80 80 80 80	93.6	96.0	97.0	97.6	97.6	98.4 98.4	2.66	2.66	2.66	99.5		99.5
80		70.8		80 80 80 80 80 80	93.6	96.0	97.6	97.6	97.6	98.0	2.66	99.5	2.66	99.2	99.21	0.001

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

The season was a season of the season of the

07 HOURS (1.5.T.)

MONTH

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED 73-75

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	2	٨١	۶۰ ۸۱	4	e vi	> 21/2	7	71 72	¥ 1	~ ^I	Al Al	≱ *	Z AI	2 5/16	AI AI	٨١
NO CEILING		4	6	1	0	0	0	0	0	0	0	50.	0			
> 20000		484		52.4	54.8	54 8	54.00	54.8	34	55.7	55.7	55.7	55.7	55.7	55.7	55
7 18000		30		~	4	54.8	*	.5		55.7		5	3	5		
≥ 16000		48.4	50.8	52.4	*	54.8		54.8	54.8		55.7	5	0	55.7	55.7	35
> 14000		00	0		4	54 3		*	. 47	55.7	5	30	5	55.7		55.
2 12000		6.65	-	4	56.5	0	-0	56.5	56.5	57.3	57.3	S	57.3	57.3	57.3	57.3
V 10000				54.8		57.3		-	1		58.1	58.1	58.1	58.1	58.1	58.
000				55.7	58.1	58.1	58.1	58.1	58.1	58		58.	58.9			58.9
		55.7			2	•				63.7		٥	63.7	63.7	63.7	63.7
≥ 7000				62.1	64.5	64.5	64.5	64.5	64.5	65.3		65.	65.3	65,3	65.3	65,3
1			59.7	62.1	*				64.5			65.	65.3	65,3		
2 2000						64.5	64.5	6.49	64.5	65.3	187	65.	65.3	65.3	65.3	
1		57	0	N	64.5				4		65.3	65.3	65.3	65.3	65.3	65.
4000		59.7	62.1	64.5		6.99	6.99	6.99	6.99	67.7	-	67.	67.7	67.7		67.
			64.5		0			0	0		0	-		70.2		70.2
3000		65.0	9	0	-	71.00	71.8	71.00	71.8	72.6	72.6	72.	72.6	72.6	72.6	72.6
		6.99	71.8	74.2		77.4		77.4				1	78.2	ec		78.
> 2000		4.69		76.6	6				30.62	80.7		80.	80.7	80.7	80.7	80.
			74.2	16.6		39.8	79.8		79.8			80.7	80.7	80.7	80.7	80.
> 1500		71.8	-	79.8	83.9		83.9	83.9	83.9	84.7				. 4	84.7	84.
		72.6		81.8		85.5		30 30 30	85.5	86.3	86.3	86.	86.3	86.3	86.3	
1000		72.6	0	81.5		86.3	87.1	87.1	87.1	87.9		TO:	87.9	87.9	87.9	87.9
			79.0	81.5			87.9	87.9	87.5	88.7	88.7			88.7		
008		73.4	80.7	84.7	89	91.1	91.9	616	61.6	92.7		0	93.0	93.6	93.6	93.6
				84.7			616	91.9	91.9	92.7	93.6	6	93.6	93.6	93.6	93.
009		74.2	81.5	80 80 80		91.9	93.6	93.6	93.6	4.46	95.2	9	95.2	95.2	95.2	50
200		. 4	25.00	87.1	92.7	98.2	96.8	96.8		97.6	98.4					
1 400		74.2	62.5	87.1	92.7	95.2	96.8	9.0	96.8	97.6	33	98.	4.96		00	98
		75.0	83.1	87.9	93.6	96.0		91.6	97.6	4.86		66			99.5	66
700		75.0	83.1	87.9		96.0	91.6	97.6	97.6	98.4	99.2		3.66	36.5	99.2	100
82			63.1	87.9		0.96	91.6	97.6	9.7.6	4.86	6	9	0			100
٥		50	83.1	87.9	93.6	96.0	9.16	97.6	97.6	98.4		66	66	99.2	2.66	100

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

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CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED 73-75

10 HOURS (LST.)

DEC

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CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	01 71	٨١	۶۵ ۸۱	4	6 Al	> 21/2	7	VI 2/2	VI 2.7	Ā	AI	∦* ∧I	VI %	2 5/16	M M	٥
NO CEILING					60	100	(4	ch	5	663	3	3	3	103		
> 20000		45.2	50.8	52.4	53.2	53	53.2	53,2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
7 18000			0					(19)	6	40	en	3	3		5	60
≥ 16000		45.2	\$0.8	52.4	6	53.2		53.2	53.2		en		3		•	53.2
2 14000				52.4					m			3	53.2	100	3.	
≥ 12000		46.8	52.4	54.0		54.8	54.8	54.0	54.6	*	*		54.8		54.8	4
V 10000						*	34.8	54.8	54.8		*	. 4	. 45	. 4	4	
0006 1		48.4	54.0	53.7	56.5	56.5	56.5	9		56.5		56.5	50.5	56.5	50.5	56.5
			61.3	m		4			. 4		4		. +	64.5		
7000		55.7	62.1	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3		65.3	65.3	65.3	65.3
		55.7		*	65.3	50	161	65.3		65.3	5	65,3	65.3		65.3	
> 2000		56.00	62.0	6.3	66.1	56.1	1.99	66.1			66.1	.99	66.1	66.1	66.1	66.1
			6.29	100	. 9				9		66.1	66.1	66.1	9	66.1	66.1
4000			64.5	6.99	67.7	67.7	67.7	67.7	67.7	67.7			67.7	67.7	67.7	67.7
										600	00			00	3	00
3000		60.5	-	0	-	71.8	-	71.8	71.8	71.8			71.8	71.8	71.8	71.8
		8.43		75.0			76.6							0	9	
> 2000		6.99	5	79.0	79.8	80.7		80.7	80.7	80.7	80.7	80.7	30.7	80.7		80.7
		6.99		19.0		80.7	80.7	80.7				80.7	80.7			
≥ 1500			19.8		63.9			89.5		85.5		3		5	3	85.5
1			79.8	60	84.7	50 50 50		80.3					86.3	0		
1000		71.0	80.7	86.3	87.1	200	89.5	60		89.5		0	89.5			89.5
			80.7	86.3	87.1		89.5	10° 0°		89.5			89.5	6		89.5
008		71.8	82.3	88.7	90.3	91.9	92.7	92.7	92.7	92.7		2			92.7	92.7
				68.7	90.3		92.7	92.7			92.7			92.7		92.7
009		71.8	25	88.7	90.3	91.9	92.7	92.7	92.7	92.7		92.7	92.7	92.7	92.7	93.6
		72.6	83.9	90.3	92.7	95.2	0.96	0.96	0.96		.0	9		9	0.96	96.8
V 400			63.9	91.1	93.6	96.0	96.3	96.8	96.8	96.8	96.8		96.8		•	91.6
		72.6	83.9	91.9		•	91.6	97.6	9.26	97.6	-	91.6	91.6		3.4	0.001
200		72.6	83.9	616	4.46	96.8	97.6	97.6	97.6	97.6	91.6	91.6	91.6		8 . 4	100.0
81						.0	94.6	97.6	91.0	-	97.6	7.	:	98.4	8.4	0.001
		72.6	83.9	91.9	4.46	96.8	97.6	97.6	9.7.6	94.6		91.6	91.6	98.4	4.86	0.00

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

13758 STATION

To the state of the same of the same

CHARLESTON, SOUTH CARDLINA NWSED 73-76

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES	ES)						
(FEET)	0 1	9	۶۶ ۸۱	4	ε Al	≥ 2%	71	VI 7/2	VI 71	_ ^I	λ1 26	₹	% Al	> 5/16	7	٨١
NO CEILING		-	2	42.7		42.7	42.7	42.7	2	42.7	42.7	42.7		42.7	42.7	42.7
> 20000		0	50.8	51.6	51.6		51.6	51.6	51.6	•			51.6	1	51.6	51.6
7 18000				51.6	-	51.6	51.6	51.6		51.6	51.6	51.6	21.6	51.6	-	51.6
> 16000			50.8	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	-	51.6	51.6	51.6
> 14000		c	-	52.4	2	52.4	52.4	52.4	52.4	52.4	52.4		2.	52.4	52.4	52.4
≥ 12000		50.8	31.6	52.4		52.4	52.4	32.4	52.4		52.4	52.4	55.4	52.4	52.4	
7 10000		52.4	53.2	54.0	54.0	54.0	54.0	54.0	94.0	54.0	54.0	54.0	. 4	54.0	54.0	54.0
0006		(2)		54.0	34.00	34.8	34.0	54.8		54.8	54.8	54.8	54.8	54.8	54.8	54.8
		59.7		65.0		62.9	65.9	63.9	6.50	65.9	65.9	2.		65.6	65.6	65.0
7000		61.3	63.7	64.5	64.5	64.5	64.5	64.5	6 .5	64.5		64.5	64.5	64.5	64.5	64.5
1		2		6.53		65 3		65		65.3	65.3	65.3	5	65.3	65.3	65.3
2 2000		65.6	65.3	66.1		66.1	66.1	669.1	66.1	66.1	66.1	1.99	1.099	66.1	66.1	1.99
		670		6.99	9	6.99	66.99		6.99	6.699	6.99			6.99	6009	6.99
4000		67.7			71.8	71.8	71.8	71.8	-	71.8	71.8	71.8	71.8	71.8	71.8	71.8
		72.6	5								9	76.6		76.6	0	9
3000		75.0	78.2	79.8	79.8	79.8	79.8	79.00	79.8	79.8	0.	6		6	0	79.8
		77.4	ev.		63.9	83.9	93.9	60	83.9	83.9	83.9	33		60	83.9	00
× 2000		78.2	83.1	84.7		84.7	84.7	84.7	84.7	84.7	84.7		84.7	84.7	84.7	84.7
		78.2		84.7	84.7	84.7	34.7	84.7	84.7	84.7	84.7	4 .		4	84.7	84.7
1500		79.8	84.7	86.3	87.1	87.9	87.9	87.9	67.9	87.9	87.9	87.9		87.9	87.9	87.9
			5	87.1		500	89.5	89.5	89.5	89.5	89.5		89.5	6	89.5	89.5
1000		79.8	85.5	87.9	90.3	91.1	91.1	91.1	91.1	91.1		91.1	01.1	91.1	91.1	91.1
		79.8	33	87.9	90.3				91.1	91.1		91.1				
N 800			87.1	89.5	92.7	93.6	93.6	03.6	93.6	93.6	93.6	3	93.6	93.6	93.6	
700			87.9	91.1	95.2		0.96	0.96	0.96	96.0	0.96		0.06	0.96		0.96
009		31.5	87.9	91.1		96.8	96.8	97.6	97.6	91.6	97.6	91.6	91.6		91.6	91.6
200			00	91.9	96.8		97.6	98.4	98.4		00	98.4			4.86	98.4
2 400		81.5	88.7	91.9		97.6	97.6	98.4	98.4	98.4	4.86	4 86	4.36	98.4	4.86	98.4
			88.7	91.9	98.4	6	2.66	100.0	100.0	10000	.00	0	.00	0	0.001	0.001
> 200		81.5	88.7	91.9	4.86	0	99.5	100.0	100.0	0.0	00	0	0.00	0000	0	0.001
91		(S)	88.7	91.9	4.86	99.2	99.2	100.001	100.0	0.0	0	0.0	00	00	0	0.00
- 1		8. 8.	88.7	91.9	98.4	99.2	3.66	100.0	0.001	0.001	00.00	00.00	000	0000	0.00	0.001

TOTAL NUMBER OF OBSERVATIONS

73.76	YEARS
CHARLESTON, SOUTH CAROLINA NWSED 73-76	STATION NAME
13758	STATION

PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)

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CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MILE	(\$3)						
(FEET)	0 1	۸۱ ه	35	V)	M AI	2 2 1/2	71	71 77	77 1	Ā	% AI	<i>≱</i> * ∧I	N N	> 5/16	A)	٨١
NO CEILING		43.6	4.44	0.94	46.0	46.0	46.0	0.04	46.0	46.0		9	0	0.94	6.	46.0
> 20000			\$5.4	54.0	24.0	54.0	54.0		54.0	54.0	84.0	54.0	54.0	4	54.0	54.0
2 18000		51.6	52.4	54.0	0.45	54.0	54.0	3	54.0	*	54.0	54.0	54.0	54.0	54.0	54.0
> 16000		51.6	52.4				54.0	4		4	54.0	54.0	54.0	54.0	54.0	54.0
> 14000		53.2	54.0	55.7	55.7	55.7	55.7	55.7	55.7	u)		55.7	3		55.7	55.7
> 12000		54.0	54.8	57.3	57.3		57.3	57.3	57.3	57.3	57.3	•	1.	-	57.3	57.3
V 10000		55.7	56.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9		58.9	00	58.9	58.9	58.9
> 8000		55.7	56.5	58.9	58.9		88.9	58.9	58.9	58.9	58.9		58.9	58.9	58.9	58.9
		59.7	50.5		63.7	63.7	63.7		63.7	673		*	*		63.7	63.7
> 7000		61.3	62.1	65.3	65.3	65.3	65.3	65.3	65,3	65.3	65.3	65.3	65,3	65.3	65.3	65.3
		62.1	65.9	1.99	66.1	66.1	66.1	65.1	66.1	66.1		66.1	0	66.1	66.1	66.1
> 2000		62.1	65.0	66.1	66.1		66.1	66.1	66.1	66.1	66.1		66.1	66.1	66.1	66.1
		6.29	63.7	6.99	6.99		6.09	6.99	6.99	6.99	0	6 . 99	6009	6.99		6000
7 4000		64.3	1.99	5.09	4.69	69.4	5.69	4.69	4.69	4.69	4.69	6	•	4.69	69.4	4.69
		67.7	70.2	50	73.4		73.4	73.4	73.4			3	•			
3000		75.8	78.2	81.5	81.5	83.1	63.1	83.1		83.1	83.1	83.1	83.1	63.1		83.1
		80.7	83.1	86.3			87.9	87.9	87.9	87.9		87.9		87.9	87.9	87.9
> 2000		82.3	84.7		87.9		89.5	89.5	89.5		0	6	5			89.5
V 1800		82.3	84.7	87.9	87.9	6.0	89.5	89.5	89.5	89.5			*	60	89.5	89.5
- 1				90.3	90.3	-	91.9	91.9	6116	-		6116		91.9	61.6	
> 1200		63.1	86.3	91.1	91.1	0	92.7		92.7	92.7	N	2	2			92.7
> 1000		83.1	86.3	91.1	91.1	93.6	93.6	93.6	03.6	93.6		93.6				93.6
006 3		83.1		91.1			93.6		93.6	93.6	m	3	*			93.6
		33.1	87.1	61.6	6.16	94.46	94.4	4. 46	4.46	4.46	*	4.46	*	4.46	4.46	4.46
		83.1	87.9	92.7	93.6		96.0	96.0	0.96			9		96.0		0.96
009		63.1	38.7	4.46	95.5	-	91.6	91.6	97.6	91.6	-	97.6		97.6	91.6	91.6
		83.1	88.7	95.5	0.96	98.4	4.86	98.4	98.4			98.4	00	4.86	98.4	98.4
7 400		83.1	88.7	95.2	0.96	4.86	98.4	99.2		2.66	99.8		99.5	2.66	2.66	99.2
		83.1	88.7	98.2	96.8	99.2	2.66	100.00	0000	0.00	0.001		0		100.001	0.00
200		83.1	88.7	95.2	90.8	2.66		100,001		0		0.00		100.001	0	0.001
81		3 3 3 3	88.7	99.5	. 9	96.5	99.2	100.001	0.0		0.001	0.00	0.00	10000	0.0	100.0
٥		63	98.7	95.2	90.9		99.2	100.001	100.001	00		0		0	0.0	0

TOTAL NUMBER OF OBSERVATIONS

1 9 1 9 HOURS (1 S T)

5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

5 45 18 " 18 1 18 " " "

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	VI 5	۰ ۸۱	۶۵ ۸۱	4	۸I	≥ 2%	۲۵ ۱۸	٧١ ٧١	۷۱ ۷۲	- ^I	٧١ %	₹	χ ΛΙ	≥ 5/16	VI N	٥
NO CEILING		50.0	0.08	20.0	90.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	20.0	50.0	50.0
2 20000		-	30	00	8	ත	3	00	00	8	0	œ	30	00		
7 18000			90	58.1	58.1	58.1	58.1	58.1		58.1	•	8	•	58.1	58.1	
≥ 16000		57.	93	58.1			8	50	58.1		58.1					
N 14000		-	58.1		00	58.1	00			00		8	33	00	8	58.1
≥ 12000		00	00	58.9	88.9		58.9	58.9	58.9	58.9	58.9	00	00	58.9	58.9	58.9
N 10000		59.7		60.5		60.5		0			60.5	60.5	60.5	0	60.5	60.5
0006 -		0	0	60.5	60.5	600 3	60.5	60.5	60.5	60.5	0	0	0	0	60.5	50.09
			9	66.1		•				6009	6.99		0	9	.0	
> 7000		68.3	6.99	6.99	66.99	6.99	6.99	60.09	6.99	1	-	7	-		2	
0009 4							.0	· o	.0	7	67.7		1.			
		65.3	66.99	6.99	6.99	6.99	6.99	6.99	6.99		7	7	1.	-	7.	
		10				6.99	6.99	.0	.0	67.7	67.7	67.7		67.7	67.7	67.7
≥ 4000		0			-	-		-		-		-	-	-	-	
> 3500						0		100	603	*	. 4	*	. +	4	*	*
> 3000		1.	0		6	79.8		80.7	80.7	-	-	-	-		-	001.00
> 2500		-	3	83.1				84.7	. 4	IC)	3	2	0	167	5	5.
		. 4		9	-	-	87.9	-	-	0	8	0	0	8	8	88.7
2 1800		84.7	86.3	86.3		87.1	-	87.9	87.9				8		88.7	
		*	-	2	1.	-	6	0	90.3		-	-	-			
2 1200						•	89.5		0	-	-	-		-	:	-
		5	1.	87.9		20	0	91.1	91.1	616	616	-	•	-	-	616
006		6			9	8	0			-	-	-	-	-	-	-
				87.9	8	00	0	91.1	1.16	•	N	N	5	0	2	0
			•	87.9	88.7			•		92.7	92.7	2.	7	2.	92.7	92.7
009 1		5	7.	88.7	6	0	1.16	91.9	616	93.6		10	*			
> 200		3.		89.5	0	91.1		93.6	93.6	95.2	30			50	95.2	
400		is?		89.5	90.3		93.6	95.2	95.2	96.8	90.8	9	8.06		96.8	96.8
300		5	87.9	80.0	91.1	91.9		0.96		9.46				98.4	4.86	98.4
> 200			87.9	60	61.1	-	4.46	0.96	0.96	91.6		8			4.86	98.4
8		5.50	87.9	6.00	91.1	91.9		0.96	0	91.6	4.86	4.86	4.06	98.4	98.4	·
		5	-	6			5.56		0.96	7		00			98.4	00.00

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TOTAL NUMBER OF OBSERVATIONS

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TO SALL STORY

22 HOURS (L S T) DEC

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
	0 7	۰ ۸۱	۶۶ ۸۱	4	٨١	≥ 21/2	7 11	71	¥ 1	- AI	۲۰ ۱۸	≯ * ∧I	χ ΛΙ	2 5/16	71 Al	٨١
NO CEILING		54.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
> 20000		58.9	60.5	60.8	60.5	60 5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.3	60.5	60.5
		58.9	60.5	60.5	60.5	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	50.09	60.5
≥ 16000		58.6	60.5	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	50.09	60.5	60.5	60.5	60.5
> 14000		80	60.5	60.5	60.5	60.5	60.5	60.5		60.5	60.5	60.5	60.5	60.5	60.5	60.5
2 12000		61.3	65.0	65.0	65.8	62.9	65.6	65.9	65.6	65.0	65.9	65.6	65.9	65.9	65.6	62.9
			63.7	63.7	63.7	63.7	63.7	63.7		63.7	63.7	63.7	63.7	63.7	63.7	63.7
0006		62.	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63,7	63.7	63.7	63.7	63.7
			67.7	67.7	67.7	67.7	68.6	68.6	68.6		68.6	68.6	68.6	68.6	68.6	68.6
2 7000			68.6	68.6	68.6	68.6	4.69			4.09	4.69	4.69	4.69	4.69	4.69	69.4
		54.5	68.6	68.6	68.6	989	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	69.4
2000			68.6	9.89	68.6	68.6	4.69	7.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
		64.5	68.6	68.6	68.6	68.6	9.69	9.50	4.69	4.69	7.69	4.69	4.69	4.69	4.69	4.60
4000		66.1	70.2	70.2	70.2	-	71.0	71.	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
		68.6	72.6	73.4	73.4	4	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
3000		73.4	77.4	29.0	79.8	79.8	80.7	-	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
		40.00	80.7	82.3	83.1	en en	93.0	0	63	83.9	63.6	63.9	83.9	63.9	83.9	83.9
2 2000		77.4	200	84.7	50	5	86.3	86.3	86.3	86,3	86.3	86.3	86.3	86.3	86.3	86.3
		77.4	82.3	84.7	85	100	86.3	86.3	86.3	86.3	86.3	86.3	80.3	86.3	86.3	86.3
1500		79.0	83.9	36.3	87.1	87.1	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1		79.0	83.9	87.L	87.9	0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	86.7	88.7
1000		79.8	84.7	88.7	6.6	80	91.1	91.1	91.1	91.9	616	616	61.6	91.9	61.6	91.9
		79.0	84.7	88.7	89.5	869.5	91.1	91.1	91.1	91.9	91.9	616	61.6	91.9	61.6	91.9
008		79.8	84.7	88.7	89.0	89.5	91.1	91.1	91.1	91.9	616	61.6	6116	91.9	6.16	516
		79.8	84.7	88.7	89.5	89.5	91.1	91.1	91.1	61.6	91.9	6116	6.16	91.9	6116	91.9
009		79.8	84.7	88.7	89.5	89.5	91.1		91.1	61.6	61.6	6116	61.6	91.9	616	91.9
		79.8	84.7	90.3	616	6.16	93.6	93.6	93.6	4.46	4.46	4.46	5.46	4.46	4.46	94.46
1 400		79.8	85.5	91.1	93.6	4. 56	0.06	0.96	0.96	8.96	8.96	96.8	8.96	96.8	96.8	96.8
		79.8	5	1.16	93.6	4	0.96	000	96.8	97.6	4.86	4.86	4.86	7.86	98.4	98.4
7 200		79.8	85.5	91.1	93.6	4.46	0.96	96.8	96.8	91.6	4.86	4.86	4.86	98.4	4.36	98.4
		10.0	95.5	91.1	93.6	4.96	0.96	96.8	96.8	91.6	4.86	98.4	4.86	4.86	4.86	98.4
٥		79.8	85.5	91.1	93.6	4.46	0.06	96.8	8.00	97.6	4.86	48.86	4.86	98.4	4.86	100.0

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TOTAL NUMBER OF OBSERVATIONS

124

MONTH

CEILING VERSUS VISIBILITY

The second second second

CENTAGE FREQUENCY OF O	CCURRENCE
STATION NAME PER	STATION NAME STATION NAME STATION NAME PERCENTAGE FREQUENCY OF OCCURRENCE

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	0	۰ ۸۱	۶۵ ۸۱	4	N AI	> 2%	1 2	VI %	71	~ ^I	% AI	* 11	% AI	> 5/16	71	٨١
NO CEILING			0	c	0	0	0	0	0	0	0	0		0		50.
> 20000		53.4	55.1	56.1	56.7	56.9	56.9	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.
≥ 18000			in	.0	0	-0	6	-0	.0	7.	1.	-	7.	7.		57.
≥ 16000			5	0	9	9	. 9	0			1		-	1		57.
7 14000			5	0	-	57.2	-	-	-	-	57.4	-		-	2	57.
> 12000				-				58.4		20		80	3	00		58.6
7 10000			2	or.	0		0	0	0	0	0	0		0	6	
0006			0	59.2	59.8	0.09	0.09	0	0		60.2	0	60.2	0		60.2
				4	50	an	5	65.7	65.7	9	9	9	0	6	9	
7000			*	65.7		66.7		9	9			-	-	-	-	67.
1			64.6	127	0	6 99		-	7.		67.3	67.3	67.3	67.3	67.3	
> 2000			*	66.1	.0					-	-	-	-	7.	7.	67.5
			E)	0		-	67.5	67.5	67.5	-		-	-	-	2	
7 4000			-	0.69	3	0			0	0	0	0	0	0	0	70.4
			0			72.9		193			5	73.4		100		73.4
≥ 3000			*	0	7	1	77.7	77.7	77.7			80	00		02	78.
			2						-	~	2	2	~	2	2	82.0
> 2000			0	ev	0.40	*	*	84.8	84.		85.1	5	5	85.1	5	
			0		. 4	84.5		*	*		10	5.3	85.1	ix'y	85.1	85.
≥ 1500			N		9		1	87.9		00	00	8		00	3	
			3	20	7.		00	00	8		88.9	8	30	00	00	88.9
V 1000			195	.0		89.9	0	90.7	7.06		-	-			-	
			cri	86.9	100	0.06	0	0		-	-		•		-	91.2
N 800			+	93		91.5	2	92.3		95.8	15	-	m	100		
			4	60	0	N	0			573	00	3	10	617		
009				88		53	93.4		100	94.1	94.3	. 4	;	. 4		54.46
			103	63	2						.0	9	0	9	0	
400		(81	5	.06		95.5		6.96	6.06		97.6	-	-		-	
		79.7	85.7	6		96.2	97.2	7.16	7.76	98.3		98.7	8.86	98.9	6.36	66
> 200			5		04.3	96.2	97.2		57.7		98.7	00	20	*	8	66
81				91.	* 4	96.2	97.2	7.76	7.16	98.3	98.7		98.86		0.66	9.66
		4	15	010	7	1		-	1	CE		00	20	c	000	

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TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS) CHARLESTON, SOUTH CAROLINA NWSED

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91.2 91.2 95.8 1.96 6.96 4.76 87.5 94.6 0.46 99.7 Λ١ 83.3 83.4 8 75.2 00 95.7 80.5 80.6 68.8 68.9 9.96 76.7 78.7 5.46 76.7 76.8 91.0 91.1 96.7 96.8 0.99 0.99 91.1 77.0 77.1 ٨١ 91.0 75.1 76.6 78.6 65.1 4.46 77.0 77.3 76.6 7007 78.6 75.1 600 88.8 83.3 016 93.66 80.5 87.3 5 * 56 0.00 90.5 1.06 64.7 95.5 ٨J 65.0 83.2 77.3 8.46 75.1 77.0 78.5 87.3 6.06 64.7 8 . 83 76.5 76.6 6.06 43.7 91.6 98.8 9604 5.96 76.6 78.5 93.7 62:39 75.1 4.80 83.0 63.2 83.2 6.06 40.00 96.2 96.5 96.5 94.3 94.3 95.4 95.5 9.49 6.06 96.7 97.0 97.1 71 A1 78.3 78.5 7 75.0 0.50 6.90 76.4 76.8 77.1 77.2 6.06 93.4 93.6 65.7 65.8 76.6 87.0 87.2 6.06 7.09 95.1 95.3 6.96 98.4 ۸۱ VISIBILITY (STATUTE MILES) 76.4 7.00 04.1 2.56 24.9 76.8 98.0 66.1 68.6 ¥1 ×1 74.8 74.7 43.4 7.96 1.96 76.4 60.7 1. 46 2.96 78.3 83.0 86.987. 64.9 95.1 80.2 86 90.0 0 0 0 93.9 68.0 70.3 77.0 78.2 0h CV 00 64.7 65.6 76.3 76.6 80.1 92.7 93.3 6.89 77.97 94.2 0.06 76.3 76.6 0.00 82.1 82.5 96.3 4.4 75.7 77.5 86.1 76.0 92.2 6.40 74.1 89.6 89.6 63.7 4.40 6.70 78.6 93.0 ۳ ۱۸ 74.3 82.8 87.9 86.8 80.7 91.5 74.4 6.78 63.1 66.3 71.0 74.7 0 * 98 0.06 71.3 75.0 ۸١ 68.1 76.5 8 70.7 79.9 8 72.4 74.1 7.50 69.3 70.0 000 9.69 ٨١ 63.8 73.1 2.99 74.7 75.6 75.7 7.00 56.6 63.2 66.1 63.7 73.1 74.9 54.8 63.1 54.1 0.20 ٨١ 10 ٨١ NO CEILING (FEET) 20000 18000 14000 10000 5000 4500 3500 2000 1500 1200 800 700 500 300 80 8000

1234-18766

CEILING VERSUS VISIBILITY JAN 68

2

OTAL NUMBER OF OBSERVATIONS

11439

" The said of the

MONTH HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7447

CHARLESTON, SOUTH CAROLINA NWSED

13759 STATION

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TOTAL	OBS.	63	63	69	6	60	6	O+ 04	63		744
MEAN	SKY COVER	6.4	5.	0.0	6.1	20	10		0.4		4.6
	10	33,3	30,08	36.7	6.14	35.5	33.3	33.3	35.5		9.00
	٥	4.3	100	0 0	5.4	0.0	7.4		2.2		30
	80	(N)	3.2	2.5	7.5	4.3	7.3	6.3	2.2		0.8
KY COVER	7	5.0		7 . 7	2.5	8.6	6.4	2.2	7.7		5
OF TOTAL S	9	2,2	4.3	, ro	40	103	4.	4.3			2,5
OF TENTHS	2	2.5		2.2	*	3.2	63	2.5	2.5		2,3
FREQUENCY	4	2.2	3.5	0		0.0	2.2	8.6	4		3.4
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	3	2:2	6.	6.4	7.3	3.2	1.1	6.5	5.4		6.3
	2	3.	2.0	100	3,2		4	0.0	2.		4.0
	-				3.5	4.	4.6	4.0	4.3		2.8
	0	37.6	32.3	23.7	23.7	28,0	23,7	25,6	36.6		28.9
HOURS	(L.S.T.)	10	40	0.7	0.7	57)	91	0.	22		1.5
	MON	JAN									TOTALS

SKY COVER

ANNA

S IN COMPANY, U. S.

73-76 CHARLESTON, SOUTH CAROLINA NWSED 13758 STATION

MONTH H

The state of the second production and the second second

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	SE FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	-	2	3	4	5	9	7	80	6	10	SKY COVER	OBS.
122	01	43.4	5.	5,3	0.8	2.8	50	2:7	3,5	2.7	2.7	7.62	4.0	113
	50	43.4		4.4	4.4	2.7	50 4	2.7	2.3	100	2.7	27.4	4.2	113
	0.7	4.	100	5.3	7.1	in.	w.	(E)	4.4	2.9	(C)	28.3	6.4	113
	10	30,1	4.4	4,4	4	30	4.4	2.7	. eo	m m	. C.	29.2	5.2	113
	-	31.9	0	103	00 •	3.5	4.4	5.3	3.	0.0	7.1	29.5	3	113
	97	25.7	6.8	0.8		0.0	3.5	4.4	4.4	7.1	m	31.9	5.5	113
	19	25.7	10	6.		2.9	60	, to	0	6	4.	31.9	5.2	113
	22	39.8	*	2.7	10.6	2.3	7.00	90		4.4	5	200	4.4	113
101	TOTALS	33.1	3.6	5.0	8.1	3.6	3.1	(C)	4	(F)	4.1	29.	, t	906

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SKY COVER

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MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CHARLESTON, SOUTH CARDLINA NWSED

1.3758 STATION

MEAN TOTAL	9 10 SKY COVER OBS.	1.6 36.3 5.0 124	.1 32.3 5.5 124	.6 39.5 6.2 124	.0 36.3 5.7 124	9 35.5 6.3 124	4.0 37.1 6.3 124	1.6 39.5 6.1 124	3.2 33.1 5.0 124		
	ω	. es	11.3	 	5.6		3.6		0.4		
KY COVER	7	0.4	2.4	30	0.4	4.	(3)	8.0	3.		
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	9	0.4		0.1	3.2	5.6	9.0	8.	0.4		
OF TENTHS	5	3.8	2.5	2.	3.8	8.4	ارة د	5.4	0.4		
FREQUENCY	4	7.0	3.6	3.5	20	90	5.6	0.0	2.5		
PERCENTAGE	3	1.6	6.5	0.4	3.2	0.4		0.4	0.0		
	2	6.5	0.4	30	m.		6.3	6.5	8.4		
	-	00	70	0.4	æ. ♦	3.2	::5	3.2	90		
	0	37.1	29.8	20,02	20.2	14.	12.9	17.7	33.9		
HOURS	(L.S.T.)	10	40	10	01	5	9	6.	22		
	MONTH	N A A									

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SKY COVER

CHARLESTON, SOUTH CAROLINA NWSED 13758 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

N TOTAL		1 120	1 120	7 120	6 120	2 120	1 120	9 120	120		
MEAN	SKY COVER	4.3	4.1	*	4.6	5.2	5.1	4	60		
	10	26.7	22.5	24.5	27.5	30.8	29.2	26.7	23.3		
	6	1.1	4.2	100 100	5.0	1.7	5.0	7.5	00		
	æ	20.00	5.7	4.2	5.0	7.5	.2	4.2	6.7		
KY COVER	7	2	4.2	6.7	9.0	(P)	3.6	2.4	00		
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	9	(D	2.	2	1.7	1:1	, .	2,3	الم الم		
OF TENTHS	5	1.7	4.2	2.5		7.1	m 00	0.0	4.2		
FREQUENCY	4	0	4.2	1.7	6.7	6.7	1.7	6.7	0		
PERCENTAGE	8	5.0	1.7	1.7	0.0	4.2	5.0		69		
	2	10 10	20	6.7	4.2	0	170	0.5	5.0		
	-	100		5.0	4.2	11.7	.00	7.5	1.7		
	0	8 .64	46.7	20	35.0	20.8	27.5	27.5	20.00		
HOURS	(1.8.1.)	70	90	0.3	0	13	16	0	22		
	MONTH	APR									

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SKY COVER

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CHARLESTON, SOUTH CAROLINA NWSED 13758 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	SE FREQUENC	Y OF TENTH	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	-	2	8	4	5	9	7	8	6	10	SKY COVER	NO. OF
> d	01	21.0	2.4		4.0	Ø-	4.8	2.4	2) .•	0	9	29.8	ال ال	124
	*0	28,2	æ .	6.5	6.5	1.6	5.6	5.6	0.4	0.	4.	29.0	4.9	124
	0.7	19.4	3.0	5.0	2.	4	5.0	5.6	20.	0	4.7	29.8	0.9	124
	07	17.7	3.5	1.6	1.6	7.3	4.0	33	6:5	7.3	2.8	34.7	0	124
	60) (00)	7,3	0.4	2		3.6	6.5	5.6	6.1	17.7	2.4	36.3	7.1	124
	10	6.9		6.5	8.1	3.5	1V	0.4	9.		8	34.7	9.9	124
	61	11.3	3.6	a.	0.4	8.0	2.5	4.5	6.5		10.5	34.7	6.5	124
	23	19.4	2	5.0	0.4	9.4	و. د. ه	6.3	6.5	7.6	1.0	33.0	30	124
TOTALS	ALS	16.4	*	in in	0.4		6.4	4.4	7.3	4.0	0	32.9	6.1	992

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SKY COVER

TO SOLVE THE STATE OF THE SAME

CHARLESTON, SOUTH CAROLINA NWSED

13758 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MEAN TOTAL	SKY COVER		.7 6.2 120	5.0	2.00	5.6	5.6	5.6 5.6 7.7 7.5	5.6 5.6 7.7 7.5	5.6 6.3	5.6 6.3 7.7 7.5 6.3	5.0 0 0.7 7.5 7.6 6.3
10 SKY COVER		36.7 6.2		-	L 20	~ B N						
6		5.0 3	3.3		10.8	10.8	10.8	10.8	10.6 9.2 9.2 9.2	10.0	10.0	10.6
8 0.0			60		10.0	10.0	10.8	10.6	10.00	10.00	10.00	10.00
			3.0	0.6		20			-			
		_	0.7	. es		0						
n m	9		5.00	4.2	1.1		6.7					
4		ηυ	7.5	50	5.0		@ @					
m	,	6.7	10.0	9,2	4.2		3.3	8. U	5.0	3.3	12.0	2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3
2		60	10.01	6.7	5.0			4.2	4 4 5	4 4 4 W	2 2 2 2	2 2 2 3
	-	7.1	2.5		2.5		3.3	w w	6 0 m	6 6 6	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 0 0 0 6 10 0 0
	0	13,3	60	7.5	7.5		o3 . •	2, 5	2 N W	3.3 2.5	2 2 2 3	2 2 2 2
HOURS	(L.S.T.)	0.1	0.4	07	10		6	E 40	13	13 19 25	13 19 19 25 25 25	13 19 19 19
HINOM	W. C.	NO.										

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SKY COVER

CHARLESTON, SOUTH CAROLINA NWSED

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	124	124	124	124	124	124	124	124			992
MEAN	SKY COVER	e0.	5.0	0.0	6.3	7.4	9.9	6.0	6.2		-	6.3
	10	25.0	17,71	57.4	100	33.9	32.3	32.3	28.2			8.0 28.5
	6	5.4	2.3	4.1		11.3	0.0	4.7	9			0.8
	80	0	6.5	7.3	13.7	13.7	12.1	16.1	10.5			11.4
KY COVER	7	6.5	8.0	9	10.3	0.	1.0		7.3			8.3
OF TOTAL S	9	6.3	7:3	23	9.0	8.8	5.0	5.6	3,2			5
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	5	9	7.3	7.3	6.8	8.1	11.3	8.5	7.3			0.0
FREQUENCY	4	9	7.3	9	0.4		3.5	5.4	9.0			5
PERCENTAGE	8	5	5.5	0.4	5.5	8.4	6.0	6.4	7.3			10
	2	10.5	15.3	6.8	6.5	0.4	. 4	7.6	7.6			7
	-	02	2.4	8.8	.03		3.5	2.5	00			2.0
	0	16.1	16.1	12.1	11.3	2.4	. 4	8.4	11.3			5.6
HOURS	(1.5.T.)	01	90	10	10	13	9	1.9	22			415
111111111111111111111111111111111111111	MOM	200										TOTALS

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SKY COVER

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CHARLESTON, SOUTH CARGLINA NWSED 13758 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONIH	(1.5.7.)	0	-	2	е П	4	5	9	7	80	٥	10	SKY COVER	OBS.
AUG	0.1	2.8.2	2.5	200	0	3.	7.3	0.4	4	8,1	0.	22.6	8.4	124
	40	33.0		6.5	3.6	4.8	4	4.0	35	0.4	5.0	21.0	4.5	124
	07	11.3	8.4	8.9	7.6		20.	5.5	5.6	11.3	7.3	21.0	5.6	124
	10	10.5	2.4	4.0	5.5	6.0	7.	10,0	6.3	12.1	6.7	21.8	6.1	124
	e T		2.4	2.4	3.5	10.5	12.9	6.1	10.01	- P	6.1	20.6	7.1	1.24
	9	2.4	0.4	7.3	7.3	on	6.	7.3	6.3		5	26,6	9.0	124
	19	12.9	0.4	4.0	7.3	7.3	0.0	5.6	6.8	7.3	0.	50 60 70	6.1	124
	22	ت ا ا	2.5		0.4	5.	6.4	2.4	.0	10.5	2.4	29.0	4.	124
101	TOTALS	15.1		1.9	6.3	4.	0	.0	5	9.0	7.	25	ιΛ 20	992

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SKY COVER

CHARLESTON, SOUTH CAROLINA NWSED

13758 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	120	120	120	120	120	120	120	120	096
MEAN	SKY COVER	1.4	6.6	0.0	6.0	7.2	8.0	0	, c	0.0
	10	25.00	26.5	60	32,5	30.0	30.8	100	27.5	29.7
	6	2	100	10.01	10.0	11.7	7.5	10.0	9.0	7.5
	80	30	in N	4.5	10.0	25.	15.8	12.5	7.5	9
SKY COVER	7	2	1.	9.2	2.4	12.5	5.8		3.0	100
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	9	6.7	3,0	3.0	5,8	7.5	6.7	7.5	20.	0.0
OF TENTHS	5	2.4	5.0	6.7	5.0	5.2	1.0	5.8	6.5	5.6
FREQUENCY	4	20	50	7.	4.2	63	7.5	2.4	5.0	10
PERCENTAGE	m	6.3	9.0	6.7	5.0	5.0	7.5	4.2	5.8	5.5
	2	E .	2.0	2.4	3.3	2.5	5,8	· · ·	7.5	0.1
	-	5.0	4.2	6.7	7.5	5.0	2.3	63		0.
	0	25.8	27.5	11.7	12.5	4.2	5.5	10.8	20	14.5
HOURS	(L.S.T.)	0.1	40	0.7	0.1	10	91	19	22	STY
	MONTH	SED								TOTALS

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SKY COVER

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CHARLESTON, SOUTH CAROLINA NWSED 13758 STATION

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL NO. OF OBS.		124	124	124	124	124	124	124	124	992
MEAN	SKY COVER	2.6	5.6	0.4	0.4	4	8.4	3.7	~	
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	10	12.9		15.3	16.9	19.4	18.5	8	14.5	15.5
	6	2.4	2.5	5.0	ch.	ep:	7.6	20	4.0	8.5
	ω	3.2	0.4	9.	0.4	7.3	0	100	£-2.	0
	7	2.4	0.4	6.5	0.4	5.0	0.4	0.	2.4	N
	9	2.4	0.4	50 6.	0.4	173	20	20	9	
	5	5.4	2.4	2.4	2.4	9.6	0.	(A)	1.6	3.0
	4	9.0	0.4	0	68	0	6.5	6.9	30	in
	е п	6.5	00	0.4	5.6	20	3	6.9	4.0	0.0
	2	5.0	0.4	2	0.	8.1	6.5	3.5	, T	6.9
	-	3.6	0.1	500	6.8	5.0	6.9	· 0	27	9.
	0	00	36.5	31,5	37.9	9.92	25.0	60.04	30,8	0
HOURS	(1.S.T.)	10	*0	10	O.T.	1.3	16	6	22	15
	MONTH	OCT								TOTALS

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SKY COVER

CHARLESTON, SOUTH CAROLINA NWSED

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL		120	120	120	120	120	120	120	120		098
MEAN	SKY COVER	3.0	3.6	4.6	4.6	4.7	4.5	00	es.		
	10	24.5	22.5	29.5	30,8	30.0	27.5	22.5	20,02		(C)
	6	1.7	1.1	6	5.0	4.2	5.5	5.2	2.5		2
	00	2.5	60	4.2	1:1	60	17	0.	0.5		3,5
KY COVER	7	3.3	5.0	3.	o 	3.83	0.0		20		8
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	9	1.7	5.5	1.7	1.7	ιο ιο	99	4.2	æ		2.3
OF TENTHS	5	1.7	6.0	1.7	0.5	1.7	2.5	0.	2.5		50
FREQUENCY	4	150	10	80		60	0.8	1.1	170		6.0
PERCENTAGE	8	4.2	6.6	6.7	1.7	2.5	5.0	1.7	0.0		600
	2	6.7	m m		3.3	6.0	6:3	6.7			6.8
	-	2.5		8	6.7	3.0	CD	5.6	00		4.7
	0	89.	52.5	30.0	39.5	36.7	33.3	40,8	47.5		0.13
HOURS	(L.S.T.)	01	90	10	01	7	9	0.	2		
	WONIE	NOV									TOTALS

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SKY COVER

CHARLESTON, SOUTH CAROLINA NWSED

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2.4 1.6 3.2 1.6 2.4 4.0 34.7 4.8 124 2.4 4.0 4.8 7.3 4.0 4.0 37.9 5.8 124 2.4 4.0 4.8 7.3 4.0 4.0 37.9 5.8 124 1.6 2.4 2.4 5.6 4.8 5.6 41.9 6.0 124 1.6 2.4 2.4 5.6 1.6 38.7 5.4 124 2.4 1.6 4.8 2.4 4.8 1.6 34.7 4.7 124	
1.6 3.4 4.0 34.7 4.8 5.6 3.2 1.6 2.4 4.0 34.7 4.8 4.0 4.8 4.0 4.0 37.9 4.4 2.4 2.4 5.6 4.0 37.9 5.8 2.4 2.4 5.6 4.9 5.6 4.9 5.8 3.2 4.0 4.0 5.6 1.0 38.7 5.4 1.6 4.8 2.4 4.8 1.6 34.7 4.7	1 2 3 4
5.6 35.2 3.2 5.8 4.6 4.7	1.6 6.5 3.2 2
2.4	3.2 4.0 3.2
2.4 2.4 5.6 4.8 5.5 41.9 6.0 3.2 4.0 4.0 2.4 5.6 41.9 6.0 2.4 3.2 4.0 5.6 1.0 38.7 5.4 1.6 4.8 2.4 4.8 1.6 34.7 4.7	3.2 7.3 1.6
2.4 2.4 5.6 4.8 5.6 41.9 6.0 3.2 4.0 4.0 2.4 5.6 41.9 6.0 2.4 3.2 4.0 5.6 1.0 38.7 5.4 1.6 4.8 2.4 4.8 1.6 34.7 4.7	4.0 2.4 2.4
3.2 4.0 4.0 2.4 5.6 41.9 6.0 2.4 3.2 4.0 5.6 1.0 38.7 5.4 1.6 4.8 2.4 4.8 1.6 34.7 4.7	4.0 5.6 1.6
2.4 3.2 4.0 5.6 1.0 38.7 5.4	8.4
1.6 4.8 2.4 4.8 1.6 34.7 4.7	2.4 5.0 3.2
	4.5

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TOTALS

SKY COVER

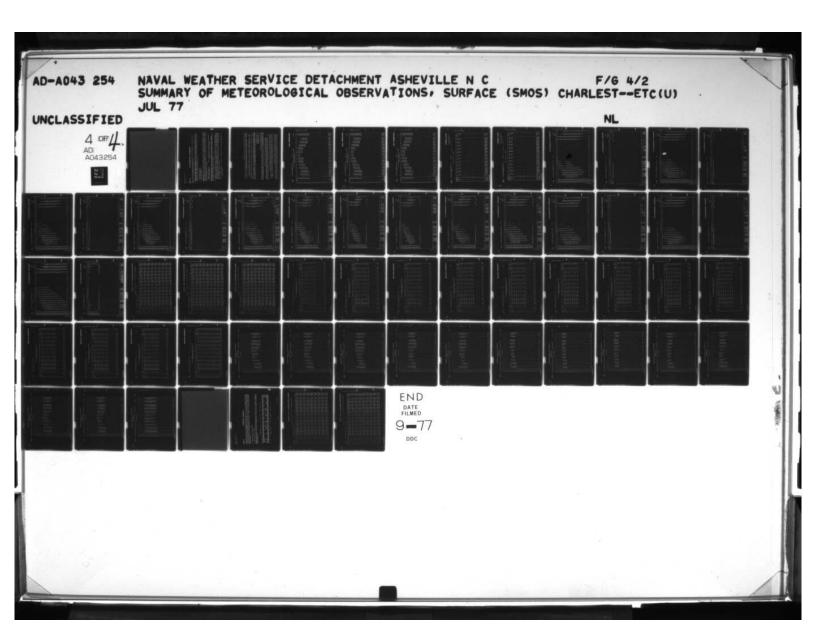
CHARLESTON, SOUTH CAROLINA NWSED 13758 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS				PERCENTAG	E FREQUENC	Y OF TENTH.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	SKY COVER				MEAN	TOTAL
	0	-	2	6	4	10	9	7	00	6	10	SKY COVER	NO. OF OBS.
	28.9	39 • 23	*	6.3	4.00	8.2	3.5	(0)	0	· .	36.4	4.	744
	33.1	3.6	4	5,1	3.6	3.1	 	*	100	4.1	29.1	4.8	904
	23,3	2.3	0.1	0.4	2.4	3.7	3.6	4.4	6.9	4.0	36.2	5.6	266
	35.2	1.04	4.7	3.7	2.4	3.6	3.6	0.0	100	4.0	20.4	4.6	960
	16.4	4.1	5.5	0.4		0.4	4.4	7.3	4.6	6.3	35.9	0.1	366
	7.0	3.0	6.1	0.0	100	4.4	, 4	7.1	10.1	0.8	37.2	6.9	960
	6.6	2.0	8.7	00	w.	0.0	.s.	20	-	0.8	50 50 50	0	885
	1.5.	· (5)	6.1	6.3	4.9	0.8	6.1	7.3	6		24.8	3,0	266
	14.2	6.4	6.1	5.7	5.2	5.6	0	33	.0	7.5	29.7	0.9	960
	80.09	4.0	6.9	9.0	5.1	3.0	0	. 3	5.0	10	15.5	3.3	665
	41.0	4.7	5.0	3.6	5.9	3.1	2.7	. e	(A)	5.9	55.	4.1	960
	17	5.9	4.7	2.8	8.	8.0	60	. 4	6.6		38.	5.6	266
	24.7	3.6	0.	4.0	4.6	4	4. 1	4.	7.5	0	30.1	4.	11440

THE COMPANY, U. S. A.

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Asheville, N. C.

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- Cumulative percentage frequency of occurrence derived from dally observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows: ;
- . Daily maximum temperature
- b. Daily minimum temperature
 - . Daily mean temperature
- deviations are computed for months and annual when four or more values are present for any column. Two tables All months Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard of daily extreme temperatures are prepared: is
- a. Extreme maximum temperature b. Extreme minimum temperature
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
- Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided: ÷
- Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb which may require two pages in some cases. a.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point squares ($\sum X^2$), sums of values $(\sum X)$, means (\overline{X}) , and standard deviations (σx) . The number of observations used in the computations for each element is also shown. temperatures are shown in the section at the bottom left of the forms. These consist of the sum of
- 0 dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period At the lower right of the form are given the mean number of hours of occurrence for six ranges of represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.
- Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not observations recorded during these periods. All values of dew-point temperature and relative reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for humidity are with respect to water, unless otherwise indicated.
- ÷. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month Tables are prepared for the following: and annual and again at the bottom for all hours combined. Records for all years available are combined
- . Dry-bulb temperature
- . Wet-bulb temperature
- . Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument
- Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical arguent and a separate page for each month. All years are also combined for this summary.
- 0 ments and horizontally by eight wind directions (plus calm). The main body of the summary consists of dry bulb temperatures spread vertically in four degree incre-Percentage i equency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined.

TOTAL COLLEGE COLLEGE

DAILY TEMPERATURES

CHARLESTON STATION NAME CARDLINA

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MAXIMUM

	-		1	-			100	A00.	357.	3			
8							257	2 6					8
08					60	13.3	3.2	2					63
25			53		29	5	- 1	72 6		3.2			24.7
0.9	2		6		57.3	8 7 8	100	10		25.0			40.0
75	16.1	50	25.0		21	97.5		99.2		58.1		•	55.2
70	32.3	16.8	50.3		666	99.2		100.0		60			67.1
65	41.9	-	71.0		-	100.0			-	91.1		31	78.3
00	62.4	er.	200							97.6		58	67.7
35	78.5	-	0.96	100.0						99.2		75	93.8
20	89.2	2	97.9							100.0		67.	97.1
6.5	94.6	0	99.2									96	98.9
04	95.7	-	0.001								100.0	100.0	66.7
ব	100 0												6.99
30		100.0											100.0
					-	The same of the sa							
MEAN	62.6	62.5	68.7		61.3	44	-	86.9	83.1	74.0	66.7	6.56	74.2
S. D.	10.844	8.563	7.923	6.489				4.40	5.163	6.731		7.824	11.927
200 :1101	200		700		Ŀ				40.	760		1 10 1	

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10

DAILY TEMPERATURES

" To . 18 ... 18 ...

CHARLESTON STATION NAME CARDLINA

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MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

YEARS

25 22-2 14-2 25-2 14-2 17-3 17-3 17-3 17-3 17-3 17-3 17-3 17-3	-			-										
78 70 71 70 71 71 71 71 71 71 71 71 71 71 71 71 71								4.5						4
70 2.2 3.4 1.7 37.1 82.3 97.0 90.3 10.5 3.4 17.5 2.4 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	75					7 7			7 67					
Second					1.7	2 2	600 600 600		0 0	6.8.4	5.6			32
95 10 2 9 10 1 10 1 10 1 10 1 10 1 10 1 10		2.2		3.6	16.7	0 1.	96.7	-	100.0	50	23.4	7.5		63
\$5 26.9 16.8 47.6 56.7 90.0 100.0 100.0 100.0 82.3 33.3 113.3 45.6 55.7 90.0 100.0 100.0 82.3 45.0 25.8 45.8 25.8 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0		0.	20	5.5	8 0	8.5	0.00			60	49.2			53.8
\$6.5 \$4.5 \$5.5 \$6.5 \$6.5 \$6.5 \$6.5 \$6.5 \$6.5 \$6		26.9	9	47.6	56.4	0.00	100.0			100.0	67.7		11.3	64
45 54.0 51.5 55.0 51.5 51.5		0	26. 5	5.0	86.2	100.0					82.3		25.00	73.4
40 677 75.2 91.9 90.2 38 88.2 89.4 100.0 30 99.2 85.8 62.7 30 99.9 99.1 100.0 100.0 25 98.9 99.1 20 100.0 10		54	54.0	60	(C)						92.7		6.04	83
35 58.2 89.4 98.4 100.0 25 98.5 84.7 100.0 25 100.0 100.0 26 100.0 100.0 27 100.0 28 100.0 100.0 29 100.0 100.0 29 100.0 100.0 20 100.0 100.0 20 100.0 100.0 20 100.0 100.0 20 100.0 100.0 100.0 20 100.0 10		67.7		0	000						00		63.1	00
25 94.7 100.0 25 100.0 100.0 26 100.0 100.0 27 100.0 100.0 28 100.0 100.0 29 100.0 100.0 20 100.0 100.0 20 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10		C O	•	20	100						0.000		1 7 2	40
25 98.9 99.1 20 100.0 100.0 MEN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.2 58.0 49.6 49.4 5 SO 10.47 8.788 6.305 7.34 2.659 2.659 2.659 2.659 124 120 120 124 124 124 124 124 124 124 124 124 124		60	7 40	100	•							100	0 40	80
MEAN 46.2 45.1 52.9 50.5 60.6 71.7 75.2 74.0 70.5 38.0 49.6 43.4 5 5 5 0 10.41 8.29 8.345 1201 8.08. 1201 8.20 124 120 124 120 124 120 1201 120 1201 120 1201 120 1201		0	. 00										100	00
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.2 58.0 49.6 43.4 59 50.1 10.04 08. 93 113 124 120 124 124 120 124 124 120 124 124 124 124 124 124 124 124 124 124		001											77.0	1001
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 38.0 49.6 43.4 59.5 50.1 10.40.8 113 113 1124 1120 120 124 120 124 120 124 113 124 120 124 124 120 124 124 124 124 124 124 124 124 124 124			*											•
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.2 38.0 49.6 43.4 59.5 5.0 10.47 8.788 8.303 7.384 5.942 2.953 2.943 1.34 1.20 1.24 1.20 1.24 1.20 1.24 1.20 1.24 1.20 1.24 1.20 1.24 1.20 1.24 1.20 1.24 1.20 1.24 1.20 1.24 1.30 1.34 1.30 1.34 1.30 1.34 1.30 1.34 1.30 1.34 1.30 1.34 1.34 1.30 1.34 1.34 1.34 1.34 1.34 1.34 1.34 1.34														
MEAN 46.2 45.1 52.9 56.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 59.5 50.4 120 124 124 120 124 120 124 120 124 124 120 124 120 124 120 124 124 120 124 124 120 124 124 120 124 124 120 124 124 124 124 124 124 124 124 124 124														
MENY 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 59 S.D. 10.047 8.785 8.305 7.784 3.544 2.650 2.903 4.576 8.101 8.952 8.343 13. TOTALOSS 93 113 124 120 124 120 124 120 124 120 124 120 124 120 124														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 5.0 10.047 8.798 8.305 7.384 2.658 2.593 2.														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 50.10.047 8.788 8.305 7.394 5.658 2.658 2.658 2.658 8.343 13. 12.0 12.4														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.4 59.5 5.0 10.047 8.788 8.305 7.784 5.058 2.058 2.009 4.576 8.101 8.952 8.343 13.101.008. 93 113 124 120 124 124 124 124 124 124 124 124 124 124														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 59.0 50.1 10.40 12.0 12.4 12.0														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.2 58.0 49.6 43.4 59 S.D. 10.047 8.788 8.305 7.384 5.942 3.444 2.658 2.003 4.576 8.101 8.932 8.343 13.														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 59 S.O. 10.047 8.788 8.305 7.384 5.942 3.444 2.658 2.658 4.576 8.101 8.932 8.343 13. TOTAL OBS. 93 113 124 120 124 124 120 124 120 124 120 124 120 124 120 124 120 124 120 124 124 124 124 124 124 124 124 124 124														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 73.2 74.0 70.5 58.0 49.6 43.4 5.0. 10.047 8.788 8.305 7.384 3.44 2.658 2.503 4.576 8.101 8.952 8.343 13.														
MEAN 466.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.2 38.0 49.6 43.4 59.0 50.1 10.047 8.788 8.305 7.784 5.942 3.44 2.658 2.953 4.576 8.101 8.952 8.343 13.0014 085.														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 5.0. 10.047 8.788 8.305 7.384 5.942 3.44 2.658 2.903 4.576 8.101 8.952 8.343 13.														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 5.0 TOTAL 085. 93 113 124 120 124 124 120 124 124 120 124 124 120 124 124 124 124 124 124 124 124 124 124														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 59 S.D. 10.047 8.788 8.305 7.784 5.942 3.44 2.658 2.903 4.576 8.101 8.952 8.343 13. TOTAL 08S. 93 113 124 120 124 120 124 124 120 124 1														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 59 S.D. 10.047 8.788 8.305 7.384 5.942 3.44 2.658 2.903 4.576 8.101 8.952 8.343 13. TOTAL OBS. 93 113 124 120 124 120 124 124 120 124 120														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 59 S.D. 10.047 8.788 8.305 7.384 5.942 3.44 2.658 2.903 4.576 8.101 8.952 8.343 13. TOTAL OBS. 93 113 124 120 124 120 124 124 120 124 120														
MEAN 46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 59 S.D. 10.047 8.788 8.305 7.384 5.942 3.44 2.658 2.903 4.576 8.101 8.952 8.343 13. TOTAL OBS. 93 113 124 120 124 120 124 124 120 124 120 124 1														
46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 59 10.047 8.788 8.305 7.384 5.942 3.44 2.658 2.903 4.576 8.101 8.952 8.343 13.														
46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 59 10.047 8.788 8.305 7.384 5.942 3.44 2.658 2.903 4.576 8.101 8.952 8.343 13.														
46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 58.0 49.6 43.4 59 10.047 8.788 8.305 7.384 5.942 3.44 2.658 2.903 4.576 8.101 8.952 8.343 13. 93 113 124 120 124 120 124 120 124 120 124 120														
10.047 8.788 8.305 7.384 5.942 3.444 2.658 2.903 4.576 8.101 8.952 8.343 13.														
10.047 8.788 8.305 7.384 5.942 3.444 2.658 2.903 4.576 8.101 8.952 8.343 13.	MEAN	46.2	4.5.1	52.9	56.5	999	71.7	78.2			38.0	9.64	43.4	59.1
93 113 124 120 124 120 124 120 124 120 124 1	S. D.	10.047	8.788	8 305	7. 784	5.942	3 4	2.658	"		8.101		8.343	13.360
	TOTAL OBS.		113	124	120	124	120	124			124		124	1631

C.

MEDAN

2.7 ANNUAL

DEC

NOV

OCT.

DAILY TEMPERATURES

1

CHARLESTON, SOUTH CARDLINA

N

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

SEP. JUL. NO

MAY

10001

100.0

52 62 62 6

25.7 52.7 72.6 88.3

1.66 100.0

AL AL

FEB.

JAN

TEMP (9F)

27.5 67.5 67.5 7.6 7.6 95.7 100.0

12.432 7.678 56.4 8.584 120

7.155

4.540

3.302

2.803

3.569

5.256

64.6

7.741

8.303

10.159 8

NAVWEASERVCOM

TOTAL OBS

S.D.

AI AI AI AI AI

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NAVWEASERVCOM

EXTREME VALUES

The second of the second of the second

MAXIMUM TEMPERATURE

SEZ. 25

FROM DAILY OBSERVATIONS

WHOLE DEGREES FAMMENHEIT

YEARS

73-76

CHARLESTON, SOUTH CAROLINA STATION NAME

13758 STATION

ALL		6	95	96							1.46		1430
DEC.	7.8	7.1	73	7.1							73.3	3.304	124
NOV	CO	20	11	72							78.3	990.6	021
OCT.	183	-	62	60							63.3	2.630	124
SEP.	16	6	25	6.8								2.082	120
AUG.	66	2	66	56							94.3	.987	124
JUL.	80	20	50	96							0.46	1.826	124
JUN.	**	0	10)	60							0.89	.616	120
MAY	63	06	56	67							91.0	3.162	124
APR.	75	র ক্র	60	3D 3D							84.8	000	120
MAR.	63	20	7.8	82							82.0	2.944	124
FEB.	33	17	74	16							74.8	2.217	113
JAN.		08	11	7.1							76.0		6
WEAR	7.3	10	100	7.5							MEAN	S. D.	TOTAL OBS.

EXTREME VALUES

MINIMUM TEMPERATURE FROM DAILY OBSERVATIONS

CHARLESTON, SOUTH CAROLINA STATION NAME

13758 STATION

73-76

YEARS

WHOLE DEGREES FAHRENMEIT

ALL		28	2.5	24	25.7		1430
DEC.	2.3	31	25	50	28.0	2.582	124
NOV.	34	37	75	50	35.0	1.414	120
OCT.	6.5	42	64	36	2	-	124
SEP.	69	26	09	00		6	150
AUG.	67	99	72	64	68.0	2.706	124
JUL.	7.1	6.7	10	7.5	70.0		
JGN.	7.1	99	10	00	66.3	5.447	120
MAY	54	S	62	51	53.5	4.635	124
APR.	200	£ \$	100	47	41.3	3	
MAR.	300	200		8	36.3	3.500	124
£	6.3	50	40	32	29.3	5	113
JAN.		5	32	7 7	30.3		63
YEAR	73	14	75	76	MEAN	S. D.	TOTAL OBS.

0

2011416				THE WOLLD'S								2004					
																PAGE 1	L.S.T.)
Temp.		1	1	1 1		VET BULB	TEMPERAT		11					TOTAL		TOTAL	
(F)	0 1.2	3 - 4	2.6	7 - 8		11 - 12 13	- 14 15	- 16 17 - 18 19	19 - 20 21 -	22 23 -	24 25 - 26	27 - 28 29	30 ≥ 31	D.B./W.E	Dry B	Wet Bulb	Dew Point
80/ 79					•	•	m -								4 11		
19				•		-				-		-	-				
10				•	•		•							•			
1 /5			*	•		14								-			
2/ 7		•	•	•		4								~			
9 10			•	•													
8/6				•										273			
6/6	50	gan					, ****							*			
4/6	-	-	•	•										en			
9/6	e ex	e			4									5			
0/3	4	-	-											10			
100	- 10	4		•		(C								*			
8/ 3		1		•		-	. 4			-				3			
4/4	0	•	•	•		4 94							_	4			
3 / 6	3 -	-	-4	•			1	-	-	-			-	7		-	
, ,		•	•	•			•							. 64			
2/ 4	000	4	•	•	4 5	1								, 4			
4 1 4		4 5	•	-										4			
4	•	3 -		-0		-								10		200	
2/ 4	-	-		•										199			1 27
70	-		•	•						-		-		2			
8/3	•	•	. •	•	-									,			
6/3		•												2			
4/3				•													
2/3		•	•											7			
2 /0	•	. •															
8/ 2		•										-					
2 /9		•	•														
4/ 2		-4															
2/2																-	
10																-	
18/ 17																	
1 /9																	
4/ 1																	
Element (X)	×2×3			N X		ı×	σx	No. Obs.	-			Mean No.	of Hours	Hours with Temperature	ature		
Rel. Hum.									VI	0 F	≥ 32 F	≥ 67 F	273 F	280 8	F 293	4	Total
Dry Bufb																	
Wet Bulb																	
									The second secon				-				

3

PSYCHROMETRIC SUMMARY

NONTH

74-76

CHARLESTON, SOUTH CAROLINA NWSED

13758 STATION

PAGE 2

5705 PSYCHROMETRIC SUMMARY

JAN 68

	Wet Bulb Dew Point	9 ~	74					Total	144.0	766.0
TOTAL	Wet Bulb		744							
	Dry Bulb		744				e	≥ 93 F		
TOTAL	-2		744				Mean No. of Hours with Temperature	≥80 ₽	0.1	
-	231 D.E						irs with T	7	>	
	29 - 30						o. of Hou		900	>0
	27 - 28 2						Mean N	₹ 267 ₽	90	20
	- 26							≥ 32 F	000	42.0
	23 - 24 25									-
(21 - 22							≥ 0 F		
SION (F	11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23						Obs.	144	144	144
RE DEPR	16 17 - 1						No. C			
WET BULB TEMPERATURE DEPRESSION (F)	14 15 -		m				σ×	783	121	200
BULB TE	. 12 13 -		2.7 1.					17	-	4 (5)
WEI	- 10 11 -		5.4				i×	77.0	4 6	46.3
	7 - 8 9		0.					57315	2376	34422
	5 . 6 7						N X	er.	3 6	
	3 . 4		22.81					3317	0350	1733998
	1.2		10.333.622.814.9				2×2	465	000	173
	0		10.3							
Temp.	(F)	12/ 11	TUTAL				Element (X)	Rel. Hum.	Dry Bulb	Dew Point

BUNE

MONTH HINDE

73-76

CHARLESTON, SOUTH CAROLINA NWSED

13758 STATION

Temp.						W	WET BULB	TEMPERA	BULB TEMPERATURE DEPRESSION		(F)				TOTAL		TOTAL	
(F)	0	1.2	3 - 4	5 - 6	7 - 8 9	11 01 -	1 - 12 13	3 - 14 15	- 16 17	- 18 19 - 2	20 21 - 22 2	23 - 24 25 -	26 27 - 28 29	7 - 30 = 31	D.B./W.B.	Dry Bulb W	Wet Buib D	Dew Point
1 19											•				3	Call		
1 / 1				. •	•		e13				1				1	1		
12/2											4				(E)	20		
9 /0			•		•			~	0						20	20		
0 /			•												33	30	20	
6/6		-	•												35	55	22	00
9 / 10			1.												50	64	32	25
2/6	•	~			0				14						7.0	57	37	Des
5 10	•	-	-												66	59	74	36
6 /8	•	-			65										73	133	58	999
6/3	•		-	1.1			Sep.								62	62	4	TEN.
6 / 5	•	,	N												56	36	88	6.3
2/3		-													49	40	50	77
4 10	*		-		*										25	54	63	35
4 /8	•	-4	2				,-4								09	99	40	1871
4 /9	•	•	•												42	24	13	53
4 /4		•	-			(F).									0.4	0%	34	7 17
7/2	•	7	-		•										6.3	43	37	50
6/9	•	•	-		0.00										34	34	53	271
8/3	•	•	. •		•										20	20	36	d
6/3		*	. •,												4	~	59	0.4
6/3	•	•	•		2										9	9	28	4. 2
21 3		•	. •	N											6	5	10	2
2/0		•	. •												0	6	o	96)
2/8	•														0	6	0	20
5/3															-	-	11	1
41 2		•													E?	er)	4	-
2 /2																	~	16
7 /0																		. 7
1 /8																		4
1 /9																		11
1 / 1																		2
1																		90
Element (X)		1X X			×	`	l×	σ×	Ž	o. Obs.			Mean No.	of Hours	with Temperature	ıre		
Rel. Hum.											≥ 0 F	≤32 F	≥ 67 F	273 F	≥80 F	≥93 F	To	Total
Dry Bulb																		
Wet Bulb																		

MONTH	HOURS (L.S.T.)		Dew Po	90.6				Total	6.73	672	2 0
	PAGE	TOTAL	Wet Bulb		***				-	-	
	c .		ry Bulb	406				≥ 93 F			
		TOTAL	D.B./W.B. Dry Bulb Wet Bulb Dew Poi		706		Mean No. of Hours with Temperature	≥80 €			
			=31 D				urs with	≥73 F	7. 4		
			- 1				of Ho	72			
RS			7 - 28 2				Mega	≥ 67 F	43	2 . 7	
YEARS			8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30					≤ 32 F	0	400	
			23 - 24					-			
		(21 - 22					10 E			
		WET BULB TEMPERATURE DEPRESSION (F)	8 19 - 20	-			300	400	200	200	
		RE DEPRE	6 17 - 1	. •			N C C C				
		APERATU	14 15 - 1	4 1.2			92	0 80	114	100	
		BULB TEA	12 13 -	4.2.4							
		WET	10 11 -	9.1 4.4			l×	4.00		4000	200
NNAME				0				016	450	42743	
STATION NAME			- 6 7 -	4			7,1	62	1 4	2 4	-
			. 4	217				46	200	31	
			-2 3	.924			N N	7006	4720	0200000	OF 12 PM
			0 1	4.821.924.217.81			21	9			•
NOI		d		6		~	8	lum.	tu/h	Rulb	SUBS
STATION		Tem	(F)	TOTAL		.,	Flement (X)	Rel. Hum.	Dry Bulb	West Builb	20.00

The state of the same of the s

																HOURS (L	S.T.)
				WET BUIL	B TEMPE	RATURE	RUIG TEMPERATURE DEPRESSION	(F) NC						TOTAL	-	TOTAL	
4	2	6 7 . 8	9 - 10	=	13 - 14	- 14 15 - 16 17	17 - 18 1	19 - 20 21	. 22 23 .	24 25 -	26 27 . 28	29 - 30	133	D.B./W.B.	Dry Bulb	_0	Dew Point
	1		1			,	1	-						940		-	
				•										1	7		
														4			
			. *		N	•								10			
			•											17		7	
			0		N	11								2		g	7
	-	1.0			0									4.3		20	-
	-	6 1.	•	. •			4							60		10	10
	-	-	•		•				•					89		37	10
	1 676	2	•		. •	. *								75		69	9
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	60		•	•									102	-	88	80
	1	0	•	•		in.								105	-	-	87
	2	~	. •			***								83		113	108
	0	7	•	•										99		0	100
	543	03		•										36		\$	40
	63		•	•										57		0	47
	4		•	•										74		61	57
	4	*	. 4											3.9		63	09
	4													20		34	4.8
	N	10%												50 -4		25	4.5
		1 .6												53		27	08
	1	•												61		24	26
	2													00		5.3	20
														253		50	25
		EV												ers.	140	12	25
														~		4	30
														2		4 "	
										-							2
																	-
																	- 3
1		X X		×	σ×		No. Obs.				Mean No.	of	Hours with	Temperature	fore		
									20 F	≤ 32 F	≥ 67	61	73 F	≥80 F	≥ 93	F Te	Total
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CHARLESTON, SOUTH CAROLINA NWSED

13758 STATION

	Dew Point	1 266	1 Potel 7 44.0
- 1	-		
	Dry Bulb Wet Bulb	992	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TOTAL	D.B./W.B.		Temperature 280 F
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	- 28 29 - 30		Mean No. of Hours with Temperature
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	3 - 24 25 -		33
	21 - 22 2		0 vi
WET BULB TEMPERATURE DEPRESSION (F)	11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 -	7.	20 00 20 00 00 00 00 00 00 00 00 00 00 0
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10 F 132 F 267 F 273 F 293 F	60 F 532 F ≥67 F ≥73 F ≥93 F	Element (X)	N N	(2)		×	-	l×	g.x	-		1			Mean	of	with	perature			
Dry Bulb	Dry Bulb Wet Bulb	Rel. Hum.											0	32		Al	L.		63	To	ptal
W. D. II.	Wet Bulb	Dry Bulb																			
	wet both	West Built		-								-									1

5.7.)		Wet Bulb Dew Point	096		Total	720,0	720.0	120.0
PAGE 2	TOTAL	Vet Bulb	096					
0.		Dry Bulb V	096	9	≥93 F			
	TOTAL	D.B./W.B. D	0 9 6	Mean No. of Hours with Temperature	≥80 F	15.0		
		231 D.		urs with	273 F	100.5	4	
		29 - 30		No. of Ho				
		27 - 28		Mean	267 F	306,3	7.5	
		- 24 25 - 26			≤ 32 F			37.5
		22 23 - 2.			50 F			
	(F)				VI.			
	WET BULB TEMPERATURE JEPRESSION (F)	9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No. Obs.	096	960	960	960
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		1 - 2	E 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ΣX^2	4304	4054	3227	2678979
	-	0	2					
	Temp.	(F)	TOTAL	Element (X)	Rel. Hum.	Dry Bulb	Wet Bulb	Dew Point

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STATION	STATION			STATION	NAME								YEARS					MONTE	MONTH
																		PAGE 1	(L.S.T.)
Temp.						WET BU	BULB TEMPERATURE DEPRESSION (F)	ATURE	PEPRESSIC	(F) NO						TOTAL		TOTAL	
(F)	0 1 - 3	2 3 - 4	5	8 7 8	9 - 10	11.	12 13 - 14 15	5 - 16 17	7 - 18 19	9 - 20 21	- 22 23	- 24 25 -	26 27 . :	28 29 - 3	30 = 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
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6/					•		•		(%) •							4	4		
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חדם	1.414.	223	320	*	o.	6.3	0.4	2.3	1.4	. 7						971	266	971	4
Element (X)	2 X 2			×		ı×	σ×		No. Obs.				Med	Mean No. of	of Hours wi	with Temperature	ture		
Ref. Hum.	3,0		7	2	25	4	14.96	2	97	_	≥ 0 F	≤ 32 F	2.67	u_	≥73 F	14 80 F	2 93	ш	Total
Dry Bulb	30	540488	W)	729	21 7	100	6.70	60	992	D.			99		423.0	125.	75	9.	744.0
Wet Bulb	7.7	200	8	-	60	7.1	8.93	24	60	-			44	cro	128.7				744
		e	-			•		•	1 1							1			

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CHARLESTON, SOUTH CAROLINA NWSED

STATION STATION

-	Dew Point								m	2	0	1	Cal	187	0	62	0.5	in.	10	Or.	a.	**	N 10	pi-		Total	20.0	720.0	2 2 2 10
TOTAL	Wet Bulb [2	10	20	-	236	On	133	50	20	13	0	N	ঝ		m		700		T			-
	Dry Bulb We	*	o	13	28	in in	72	10	111	145	187	120	63	26	97	10	67	m	2				040	200		≥ 93 F	3.0		
-	D.B./W.B. D.			O.	4	23	303	50) 103	00	erin.	50	17	2	26	20	0	3	(C)	63					268	with Temperature	280 F	238.5	4	
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	- 30														1									t	of Hours	≥73	620.	3 37	4
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Ö.		93	16	9.9	63	6 0	60	53	19	77	75	13	7.1	69	67	6.0	60	61	20	21	53	te 0	4 30	,	(X)	Hum.	Bulb	Bulb	1
Temp.	(F)	156	120	106	188	86/	148	82/	108	781	191	141	121	101	60	199	149	62/	109	23	26/	34/		Ξ.	Element (X	Rel. H	Dry B	Wet Bulb	-

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(L.S.T.)		Dew Point											~	9 0	•			0 0	0					Total	744.0	
HOURS (L.S.T.)	TOTAL	Wet Bulb								1.5	56	214	316	334	2 10	23	-			992					33	
			2	7	22	33	69	es en	124	131	166	179	102	0 -	3 4				000	9				2 93 F	8.0	-
	TOTAL		2	1	22	(C)	69	8	124	131	166	179	102	0	4					992			1	280 F	417.0	
		231 D																						273 F	733.5	
		29 - 30																								
		26 27 - 28																					N Company	2.67	744.0	-
		24 25 - 2																						≤ 32 F		
		- 22 23 -								•														3 0 F		The second secon
	ON (F)	19 - 20 21	**																	•				6	2	
	WET BULB TEMPERATURE DEPRESSION	17 - 18		. •															ęt	•					292	
	ERATURE	- 14 15 - 16		•	•	•	•		•															600	787	
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CHARLESTON, SOUTH CARGLINA NWSRD

STATION				s	201101101	IN .							YEARS				2	MONTH
																	PAGE 1	(LS.T.)
Temp.							WET BU	LB TEMPE	ATURE D	WET BULB TEMPERATURE DEPRESSION (F)	F)				ATOT	1	TOTAL	
(F)	0	1 - 2	3 - 4	5.6	7 - 8	9 - 10	11 - 12 13	13 - 14	. 14 15 - 16 1	17 - 18 19 - 2	20 21 - 22 2	23 - 24 25 - 26	5 27 - 28 29	- 30 =	31 D.B. W.B. 1	.B. Dry Bulb	Wet Bulb Dew	Dew Point
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TAL	3.5	28.3	27.2	47	10.4	7.4	.0	2.2	1.2	শে •					66	000	2 992	5
Element (X)		ZX2			×		l×	σ×		No. Obs.		-	Mean No.	10	Hours with Temperature	eroture		
Rel. Hum.		672	8467		8079	1	1.4	12.20	9	266	10F	≅ 32 F	2.67 F		F 280 F	F 293 F	4 5	Total
Dry Bulb		630	7908		7894		9.6	5.0	2	266			743.				0.0	744.
Wet Bulb		557537	5379		7430	0	24.9	3.050	10	865			735.0	8.465 0	32.3			744.0
Dew Point		525	4727		7239	•	0	3.30	7	266			705		1 1	~		744.
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Temp. (F)	0	1.2	3 . 4	5 - 6	7 - 8	9 - 10	-	JLB TEMP!	15 - 16	E DEPRES	WET BULB TEMPERATURE DEPRESSION (F) 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20	21 - 22	23 - 24	25 - 26 27 -	- 28 29 -	30 = 31	TOTAL D.B./W.B.	Dry Bulb		Wet Bulb
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Rel. Hum.		2	57		22	x	N	12.0	651	3.	096	≥ 0 F	VI .	32 F = 2	2 67 F	73	280	2.93	ш	
Dry Bulb		200	6117		7310	0.1	76.2	3	.00.	5	686			c	. 18	555.0	200	٠.		
Wet Bulb		66	51		0	90	04	*	36	5	666			0	33.7	2	m	0		
															-	4	-	The state of the s		

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PSYCHROMETRIC SUMMARY

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CHARLESTON, SOUTH CAROLINA NWSED

13758 STATION

1.2 3.4 5.6 7.8 9.10 11.2 3.4 5.10 12.2 23.24 25	TOTAL Dry Bulb Wet Bulb Dew Point	7	,	12	27	4		1 1		80 5	103		66	6.00	හ		50	41	56	4	30	50	6	-	sc.	EV.	-	9		166 266	166	10.	the same of the sa
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	Wet Bulb													-			-							

	Dew Point	960							Total	20,02	720.0	720.0
TOTAL	Vet Bulb	960							1	,	7	
	ry Bulb W	096							≥ 93 F			
TOTAL	D.B./W.B. Dry Bulb Wet Bulb	096						A Marie Talenta	≥80 ₽	3.0		
	1831							1	273 F	51.6		
	- 28 29 - 30							N SOM	267 F	72.5	1.8	30
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SION (F)	19 - 20 3								60	096	09	90
E DEPRES	6 17 - 18	•							0	0	0	6
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MARK

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CHARLESTON, SOUTH CAROLINA NWSTO

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PSYCHROMETRIC SUMMARY

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PAGE 2

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2/ 11 0/ 9 0/ 9 ement (X)	2/ 11 0/ φ ement (X) Σχ² Σχ X Ox No. Obs. Mean No. of Hours with Temperature fel. Hum. ≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 73 F Ave Bulb.	2/ 1.1 0/ 9 ement (X) ∑x²	2 / 11 2 / 11 2 / 11 O / 9 X X × X No. Obs. Fel. Hum. ≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Met Bulb	1 /9																				
2/ 1.1 O/ € ement (X) ≥ X X √x No. Obs. ≤ OF ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 293 F Dry Bulb	2/ 11 O/ 9 O/ 9 Ement IX)	2/ 11 0/ 9 6ment (X)	2/ 11 O/ 9 O/ 9 Ement IX)	4/ 1																				
O/ Φ = 100 Mean (X) Σχ² Σχ = 100 Mean (X) Mean No. of Hours with Temperature Fel. Hum. ≤ 0 F = 532 F = 267 F = 273 F = 280 F = 293 F Dry Bulb	0 / ♥	O/ Φ sement (X) Σχ² Σχ Φα No. Obs. Mean No. of Hours with sort Hours West Hours We	O / Φ No. Obs. Mean No. of Hours with Temperature Felt. Hum. ≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Met Bulb	2/ 1																				
Early Lyun. Σχ² Σχ² Χχ Θx No. Obs. Mean No. of Hours with Temperature Bry Bulb 50 F 532 F 267 F 273 F 280 F 293 F	Early (X) Σχ² Σχ² Λα No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≤0 F ≤3 Z F ≥7 Z ≥80 F ≥ 23 F Dry Bulb. More Bulk. Control of Hours with Temperature No. Obs. No. Obs. No. Obs. No. Obs.	Earment (X) Σχ² Σχ Μεσαn No. of Hours with Dry Bulb Dry Bulb 50 F ≤32 F ≥67 F ≥73 F Wet Bulb Wet Bulb 40 F 20 F 20 F 20 F	nt (X) Σχ² Σχ² Λα No. Obs. Mean No. of Hours with Temperature Hum. ≤0 F ≤32 F ≥67 F ≥73 F ≥80 F ≥93 F Bulb Bulb Doi:	10																				
Hum, ±0F ±32F ±67F ±73F ±80F ±93F Bulb	Hum. ± 0.F = 53.2 F = 24.7 F = 280.F = 29.3 F =	#Ub Bulb Bulb	Hum. ±0F ±32F ±67F ≥73F ≥80F ≥93F Bulb Bulb Doing	ement	N				X		l×	σx	No.				W	o Z	Hours		ature			No. of Hours with
Dry Bulb	Dry Bulb	Dry Bulb Wet Bulb	Dry Bulb Wet Bulb	Rel. Hom.											0	32	^:	67			Λī	u.	Tota	32 F 267 F 273 F 280 F 293 F
	11/1-0 -1/11	Wet Buils	Wet Buib	Dry Bulb																				

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TOTA Wet Bu	66		-	-	-
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	060	nperatur	80 F		
		with Ter	A1	00	
		Hours	273 F	100	
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0					
етр. (F)		nent (X)	Hom.	y Bulb	
	WET BULB TEMPERATURE DEPRESSION (f) 2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 231 D.B./W.B. Dry Bulb Wet Bulb De	10.530.722.316.11.1 5.9 2.3 1.0 1.1 12 13.1 14.1 15.1 17.1 18.1 19.2 17.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13	10 550 722 316 111 1 5 9 2 3 1 0 1 1 1 1 1 1 1 1	10.550.722.316.111.1 5.9 2.3 1.0 .1 10.550.722.316.111.1 5.9 2.3 1.0 .1 10.550.722.316.111.1 5.9 2.3 1.0 .1 10.550.722.316.111.1 5.9 2.3 1.0 .1 10.550.722.316.111.1 5.9 2.3 1.0 .1 10.550.722.316.111.1 5.9 2.3 1.0 .1 10.550.722.316.111.1 5.9 2.3 1.0 .1 10.550.722.316.111.1 5.9 2.3 1.0 .1 10.550.722.316.111.1 5.9 2.3 1.0 .1 10.550.722.316.111.1 5.9 2.3 1.0 .1 10.550.722.316.111.1 5.9 2.3 1.0 .1 10.550.722.316.111.1 5.9 2.3 1.0 .1 10.550.722.316.111.1 5.9 2.3 1.0 .1 10.50.722.316.111.1 5.9 2.3 1.0 .1 10.50.722.316.111.1 5.9 2.3 1.0 .1 10.50.722.316.111.1 5.9 2.3 1.0 .1 10.50.722.316.111.1 5.9 2.3 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	10.550.722.316.111.1 5.9 2.3 1.0 .1 .1 .1 .15 .10 .2 .1 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2

The second secon

O O O O O

Marches Marc	THE R. P. LEWIS CO., LANSING, MICH. 400, London, Str., Square,																				HOURS	S.T.)
1	Temp.							WET BUL	B TEMPE			ION (F)							TOTAL		TOTAL	
1	(F)	0			1		- 10	- 12	- 6	- 16	. 18	-10	21 -	1	25 -	27 -		≥ 31	B./W.	Dry Bulb	Wet Bulb	Dew Point
1	6 19									0									*			
10	6/4									•	•								19			
1	5 /2						•	•											0	5		
84 88	8 /0						•	•											Th.	0		
	3/8				•	•	•	•											325	00		
4 / 83	8/8			•	•	•	•	•											-	-	-1	
24 81	8 / 9			•	•		•	•											20	-	500	
12 12 13 13 14 15 15 15 15 15 15 15	2/8			•	-	•	•	•											50	-	53	
1	1 10		•	N		•		•		0.									100	an.	154	67
6	1 /8		1-5	N	-	•		•											125	4	568	-
47 73	617		2	2	•		•	•		9									*	*	1093	69
27 71	1 /4	17	-	-	7	•	•	•		0									0	-	1006	11
97 67 62 14 1.1 68 5 4 2 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	217		-	-	•	•	•	•		0									-	-	743	O
84 67 12 1.4 1.0 1 6 1.2 1.2 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	9 /0		-	-	-	•		•		•									On	0	634	-
9	3/0		-	-		•		•											13	\$	563	3
94 63	9 /9		-	-	•	•	•	. •											gendy.	***	588	Ś
27 61	0/4			-	•	•	•	•											100	24	577	3
50	2/6		-	•	•	•	•	•		•									EV3	N	583	54
87 57	5 /0		-4	•	•	•	•	•		•									0	0	603	20
4 5 5 3 9 6 6 6 4 4 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8/ 5			•	•	•	•	•		0.									200	4	498	S
4 5 3 . 3 . 8 . 7 . 5 . 5 . 1 . 0 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3	5 /9		•	•	•	•	•	•											33	8	437	4
27 51 .3 .7 .5 .5 .5 .2 .1 .1 .0	5 / 5		•	•	•	•		•											2	4	410	4
9/ 49 .1 .8 .6 .4 .2 .2 .1 .0	2/ 5		•	•	•	•	•	•											N	CV.	369	ě
88 47 1 6 7 4 3 2 0 2 0 2 2 4 5 2 6 36 6 4 5 6 4 5 1 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 2 2 2	4 10	7	•	•	•	•	•	•											3	0	369	43
66/45 11 6 6 5 3 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1	4 /8		•	•	•	•	•	•											0	\$	366	2
47 43 -11 -4 -4 -5 -2 -1 -0	4 /9		•		•	•	•												\$	4	377	2
27 41 .1 .4 .5 .4 .2 .1 .0 .1 .3 .4 .2 .1 .0 .0 .0 .0 .0 .0 .0 .1 .2 .2 .1 .0 .0 .0 .0 .1 .1 .0 .0 .0 .0 .1 .1 .0 .0 .0 .0 .1 .1 .1 .0 .0 .0 .0 .1 .1 .1 .0 .0 .0 .0 .1 .1 .1 .0 .0 .0 .0 .0 .1 .1 .1 .0 .0 .0 .0 .0 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	4 /4	•	•	•		•	•	•											123	00	271	643
20	7/2	*	•	•	•	•	•												33	0.2	236	54
87 37 0 1 2 2 1 1 0 83 83 207 67 35 0 2 1 1 0 2 2 1 1 0 2 2 1 38 47 39 0 0 1 1 1 0 2 2 1 38 35 138 57 20 2 1 1 1 1 0 2 2 2 2 2 1 1 1 1 1 1 1	6 /0		•	•	•	•													3	4	220	~
66, 35	8/3		•	•	•	•													170	CO	207	2
27 31 .0 .1 .1 .1 .0 .32 32 32 32 32 30 30 30 30 30 30 30 30 30 30 30 30 30	6/3		•	•	•	•													50	S	138	~
27 31 .0 .1 .1 .1 .1 .0 .2	6/3		•	•	•	•													2	35	101	~
18 18 55 ement (X)	2/3		•	•	•														00	30	25	***
Int (X) XX² XX² No. Obs. Mean No. of Hours with Temperature Hum. ±0 F ±32 F ±67 F ±73 F ±80 F ±93 F Bulb Rulh	0/ 2		. 1	•	•														50	1.6	55	-4
Hum. 8ulb 8ulb			ZX2					I×	σ×			.5.				Mean	No. of		Tempera	ure		
Dry Bulb	Ref. Hum.												0		32		W.			63		Total
Wes Built	Dry Bulb																					
	Wet Bulb								-			-										

CHARLESTON, SOUTH CAROLINA NWSEO

13758 STATION

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	Dew Point	129	106	0	0.5	4 33	22	50	6.	16	7	1			Total	8760.0	0.09	
TOTAL	Wet Bulb Dew Point	20	52	0	4	-									1			
	Dry Bulb V	14	O	4										e	≥93 F	16.6		
TOTAL	D.B./W.B. D	14	m	4										Mean No. of Hours with Temperature	≥80 F	382.1	71.7	
	≥31 D										1			ours with	273 F	-1	1	
	- 28 29 - 30													No. of He	WI.	.634	. 2218	
	. 26 27 . 28										-			Mear	2 67 F	63,34759,63457,8	33675	
	- 24 25										-				≤ 32 F	63	144	
	21 - 22 23														≥ 0 ₽			
WET BULB TEMPERATURE DEPRESSION (F)	- 18 19 - 20 21 - 22 23													No. Obs.	1349	11439	1349	
ATURE DE	- 14 15 - 16 17													Z				
LB TEMPER	13 - 14 1													σ×	16.740		12.58	
WET BU	9 - 10 11 - 12 13													l×	75.4	9.99	61.5	
	တ														-	-		
	- 6 7 -	0.									-			×	8560	76232	697	
	3 - 4 5	0.	0	0.											760	1392	1001	1
	1 - 2	-		0.										N X	67754	52773392	44693	**
	0	0.																
Temp.	(F)	2 /8	6/ 2	41 2	2/2	7 /0	1 /	-	7 /	12/ 11	1	_		Element (X)	Ref. Hum.	Dry Bulb	Wet Bulb	

MARA

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

CHARLESTON, SOUTH CAROLINA NWSED

73-76 13758 STATION

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	1	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
10	S. D. TOTAL OBS	8.9.4 9.971 8.971 8.93	30.6 9.393	7.683	651	5.097	3.276	2.875	76.7	4.153	7.907	9.097	9.236	63.7
4	S. D. TOTAL OBS	51.1	49.2	36.6 3.462 124	7.353	5.432	73.3	76.6	3.008	72.4	8.337	9,639	47.9	12,569
70	S. D. TOTAL OBS	49.5 47.9 11.18110.026 93 113	47.9	8.604 124	7.671	69.8 5.997 124	3.719	77.5	3.313	72.2	60.0 8.285 124	52.1 10.156 120	46.7 9.762 124	13.520
10	S. D. TOTALOBS	54.0 11.295	54.5 9.575 1113	62.2 8.714	7.783	3.922	4.605	33.7	82,5 4.559	78.9 5.834 120	7.859	59.8 9.483 120	51.8 9.132 124	13.623
~	S. D. TOTAL OBS	59.6 11.728	9.436	66.4 8.876 126	70.1	5.837	33.1	86.0	5.5	5.784	72.4	9.470	8 8 . 6 . 6 . 6 . 6 . 6 . 6 . 6 . 6 . 6	12.693
16	MEAN S. D. TOTAL OBS	10.977	2.4.0 0.4.1	7.972	69,3	3.421	81.0	84.3	4 22 2	80.3 5.028 120	71.4 6.578 124	8,726	7.946	71.3
0.1	S. D. TOTAL OBS	9.663	**************************************	61.6	65.0 644.0	74.1	78.2	10 to 12 to	3.318	76.6	66.9	7.818	52.6 7.489 124	11.950
22	S. D. TOTAL OBS	9.55.9	8.881 1131	59.1	5.893	71.6	3.205	79.1 2.901	2.925	74.6	7,083	8.219	50.6 8.246 124	12.057
ALL	S. D. TOTAL OBS	54.0 53.5 11-12110-115 744 904	10.115	60.5 8.900 992	7.918	6.103	5.312	4.687	5.072	76.2 5.868 959	8.581	57.9 10.145	992	13.123

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WET-BULB TEMPERATURES DEG F FROM HOURLY DBSERVATIONS

STANDARD DEVIATIONS

MEANS

			AA	
			DEC.	
			NOV.	
			OCT.	
		YEARS	SEP.	
			AUG.	
	76		JUL.	
	73-7		MAY JUN.	
	NESED		MAY	
-	DL INA		APR.	
	SOUTH CAROLINA NWSED	STATION NAME	MAR.	
	•	S	FEB.	
	CHARLESTON		JAN.	
	13758	STATION	HRS.(L.S.T.)	

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
16	S. D. TOTAL OBS	10.730	9.545	53.9 8.381	7.450	66.1 5.619 122	3.404	2.633	3.013	71.5	8,447	n o	46.4 10.198 124	60.5
40	S. D. TOTAL OBS	11.146	9.926	53.4 3.947 124	7.502	900.5	3,436	73.7	73.6	70.8 4.584 120	59.0 8.875	50.9 10.160 120	10.210	59.6 12.973 1419
5	S. D. TOTAL OBS	47.5 45.0 11.91110.581	45.0	52.5 8.946 124	95.5 9.373	6.535	71.4 3.530	74.0	73.7	5.293	8.848 124	50.1 10,781 120	44.5 10.520 124	13,584
10	S. D. TOTAL OBS	50.3 11.663	9.907	56.0 3.954 124	7.930	67.7	73.2	75.8	75.6	5.129	8.158	10,304	47.5 10.126 124	62.1 12.890 1418
2	MEAN S. D. TOTAL OBS	53.1 11.184	9.540	8.385 124	39.2	5.809	33.418	2.777	76.4 2.928 124	73.3	7.337	56.5 9.800 120	50.3 9.853 124	12.020
10	MEAN S. D. TOTAL OBS	10.561	9.829	7.831	59.1 6.808 120	5.688	73.1	75.6	2.902	73.2	7.057	56.7	9.223	11.559
EP-	S. D. TOTAL OBS	10.290	49.4 8.860	7.616	58.1	5.446	72.4	75.2	75.2	72.3	7.299	54.6 8.806 120	48.9 8.959 123	52.1 11.870 1418
22	S. D. TOTAL OBS	10.282	9.176	55.0 7.473 124	57.5 6.875	5.215	27.6	74.7	74.6 2.676 124	71.7 4.496 120	7.747	9.189	47.5	61.2
ALL	S. D. TOTAL OBS	11.096	468.4 9.798 904	55.3	7,501	5.933	3.492	75.0	3.050	4.737	8.182	53.6	47.7	61.5 12.588 11349

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MEANS AND STANDARD DEVIATIONS

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DEW-POINT TEMPERATURES DEG F FROM HOURLY DUSERVATIONS

CHARLESTON, SOUTH CAROLINA NWSED

73-75

STATION 13758

STATION NAME

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY		JUL.	AUG.	SEP.	OCT.	NOV.	DEC,	ANNUAL
01	MEAN S. D. TOTAL OBS	13.26211.890	43.0	50.8 10.588 124	9.562	64.0	70.0	72.8	3.397	70.5 4.947 120	58.1 9.767 124	11.706	43.2	14.434
40	S. D. TOTAL OBS	13.67611.8081	42.1	50.93	51.9	45. 24.0 12.2	69.5	72.3	3.194	5.2041	57.1 10.103	11,693	12.678	14.663
0.0	S. D. TOTAL OBS	44.8 41.1 14.29313.285	13,285	49.9	52.0 10.555	7.929	69.8	72.6	3.084	5.938	56.0 10.045	12,383	41.6	57.0 15.125 1419
01	S. D. TOTAL OBS	46.3 42.7 14.51613.3721	13,372	2.172	51.1	8.564	69.8 4.622 112	3.272	3.227	70.1 6.063	57.5	49.5 13.420 120	42.5	57.6 15.235
13	S. D. TOTAL 085	46.8 42.7 14.84814.0661	42.7	50.4 2.033	30.8 11.355	63.3	4.569	3.889	3.702	5.749	57.2 10.147 124	13.826	42.9	57.5
16	S. D. TOTAL OBS	14.17913.7081	42.9 113.708	51.1	50.8 10.910	63.5	4.473	3.538	3.534	5.465	57.9 9.705 124	13,419	13.834	57.9
5.	S. D. TOTAL OBS	13.01311.939	11.939	50.9	51.6 10.036 120	7.365	3.967	3.5.5	33.1	4.932	58.7	51.1 11.174	12.411	14.111
22	S. D. TOTAL OBS	46.4 43.9 12.79911.538	43.9	9.747	53.0 9.550 120	6.319	3.675	3.209	3.13.	70.4 4.970 120	58.6 9.216 124	50.4 11,433	43.9	14.078
ALL	S. D. TOTAL OBS	13.79712.7151	42.8	50.7	91.8	63.6 7.643 971	69. 89.8 89.3	72.5 3.280 992	3.308	5.420	57.6 9.807 991	12.408	13.116	14.739

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RELATIVE HUMIDITY

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CHARLESTON, SOUTH CAROLINA NWSED 13758

STATION NAME

STATION

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74-76

MONTH JAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	OF RELATIVE	HUMIDITY GRE	ATER THAN			MEAN	TOTAL
MONIH	(L.S.T.)	10%	20%	30%	40%	20%	%09	20%	%08	%06	HUMIDITY	OBS.
JAN	0	100.0	100.0	100.0	100.0	9.56	87.1	70.0	04.5	30.0	82.1	83
	9.0	100.0	100.0	100.0	100.0	8.06	5.68	79.0	64.5	37.6	82.7	6
	0.3	100.0	100.0	100.0	100.0	\$ R6	10°	79.0	71.0	1.54	84.4	63
	10	100.0	100.0	100.0	100.0	92.5	76.3	67.7	4.84	23.7	75.6	9.5
	23	100.0	100.0	100.0	88.2	6.69	84.8	6.04	25.	16.0	65.2	40
	10	100.0	100.0	96.8	87.1	72.0	62.4	41.9	28.0	11.0	0.99	80
	1.5	100.0	100.0	100.0	8-16	91.6	6.08	74.2	52.7	20.9	7.00	8
	22	100.0	100.0	100.0	100.0	95.7	87.1	81.7	58.1	3.46	81.3	0
101	TOTALS	100.0	100.0	9.66	96.6	89.0	79.3	68.2	51.6	28.6	77.1	744

RELATIVE HUMIDITY

13758 CHARLESTON, SOUTH CAROLINA NWSED

STATION NAME

STATION

73-76

PERIOD

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MONTH THE

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1111011	HOURS			PERCENT,	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	OF RELATIVE	HUMIDITY GRE	ATER THAN			MEAN	TOTAL
MONIH	(L.S.T.)	10%	20%	30%	40%	20%	%09	70%	%08	%06	HUMIDITY	OBS.
9	0.1	100.0	100.0	100.0	1 66	7.46	82.3	67.3	39,8	10.6	76.3	113
	40	100.0	100.0	100.0	100.0	96.5	87.6	70.8	42.5	21.2	77.3	113
	0.7	100.0	100.0	1.66	98.8	93.8	85.0	75.2	48.7	27.4	78.2	113
	10	100.0	100.0	97.3	81.8	82.3	63.7	4	25.7	9.7	1.99	113
	13	100.0	100.0	9.0	72.6	900	41.6	26.5	16.8	8	56.8	113
	16	100.0	99.1	4.68	74.3	62.8	41.6	29.5	15.9	7.6	57.6	113
	1.9	100.0	100.0	100,0	69	88.0	6.80	47.8	29.8	12.4	0.69	113
	22	100.0	100.0	100.0	98.2	91.2	82.3	65.5	39.8	17.7	74.9	113
TOTALS	ALS	100.0	6.66	97.5	6.06	82,9	0.69	3.00	32.3	15.7	9.69	406

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RELATIVE HUMIDITY

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MONTH

CHARLESTON, SOUTH CAROLINA NWSED

13758

STATION

STATION NAME

73-76

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	124	124	124	124	124	124	124	124		266
MEAN	HUMIDITY	80.1	80.8	82.6	67.6	59.4	62.4	70,3	77.1		72.5
	%06	29.0	28.5	24.2	10.1	7.3	8.1	14.5	22.6		15.8
	80%	58.9	54.0	06.1	25.08	16.9	17.7	33.1	45.2		39.7
TER THAN	%02	75.8	76.6	50.00	41.9	28.5	32.3	56.5	71.0		38.5
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	89.8	91.1	4.46	64.5	48.4	51.6	71.8	86.3		74.7
OF RELATIVE !	20%	95.2	0.06	4.00	60 64 64	63.7	72.6	85.5	4.46		96.0
E FREQUENCY	40%	97.6	99.2	30.5	92.7	84.7	67.1	91.9	4.89		63.6
PERCENTAG	30%	2.66	100.0	100.0	4.80	4.40	95.5	0.06	100.0		6.76
	20%	100.0	100.0	100.0	100.0	100.0	3.66	100.0	100.0		6.66
	%01	100.0	100.0	100.00	100.0	100.0	100.0	100.0	100.0		100.0
HOURS	(1.5.1.)	0.1	40	0.7	10	13	16	19	22		ALS
HINOM		Z Z									TOTALS

RELATIVE HUMIDITY JAN 68 5706

CHARLESTON, SOUTH CAROLINA NWSED 13758

STATION NAME

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RELATIVE HUMIDITY

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MONTH APR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOTAL	OBS.	120	120	120	120	120	120	120	120	0
MEAN	HUMIDITY	75.5	76.9	77.4	58.4	52.1	54.2	62.5	71.4	1.99
	%06	11.7	19.5	15.8	9.3	5.5	3.3	8.8	2.5	10
	%08	39.2	50.0	0.84	111.7	60	6.7	15.8	29.5	2.
ATER THAN	%02	85.8	69.2	70.8	23.3	12.5	17.5	30,8	55	0.84
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	60 60	85.8	86.3	39.2	25.0	30.8	55.0	75.8	6.04
OF RELATIVE	20%	7.96	94.2	0.56	5.49	24.2	0.09	77.5	92.5	0
GE FREQUENCY	40%	60	2 66	100.0	89.5	75.8	80.0	8.06	96.7	2.10
PERCENTA	30%	100.0	100.0	100.0	7.06	91.7	90.8	97.5	99.2	0.7.0
	20%	100.0	100.0	100.0	100.0	99.2	2.66	100.0	100.0	000
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.00
HOURS	(1.5.7.)	10	40	0.7	10	13	91	19	22	AIS
HINOW		APR								TOTALS

RELATIVE HUMIDITY

19758 CHARLESTON, SOUTH CARDLINA NWSED

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	122	122	122	121	121	121	121	121		971
MEAN	HUMIDITY	82,9	84.0	80.3	0.89	58.9	63.1	72.5	4.67		73.3
	%06	23.0	22.1	8 6	2.5	5.5	1.7	0.0	6.6		0
	%08	2.69	72.1	8.65	13.2	5.0	6.	24.8	52.1		38
ATER THAN	%02	\$ 60 60	8.68	33 85	65	19.0	33.1	63.6	1.50		62.0
HUMIDITY GRE	%09	7.96	96.7	94.3	64.5	\$0.4	62,0	86.8	6.86		80.9
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	20%	2.66	99.2	4.86	86.0	71.9	63	2.46	100.0		4.16
GE FREQUENCY	40%	99,2	100.0	100,0	7.96	90.1	0.86	68	100.0		4.16
PERCENTA	30%	100.0	100.0	100.0	2.66	97.5	66.7	100,001	100.0		2.66
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0 100.0
HOURS	(L.S.T.)	10	40	70	10	r r	16	16	22		ALS
TINON	MOM	MAX									TOTALS

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RELATIVE HUMIDITY

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13758 CHARLESTON, SOUTH CARDLINA NWSED

STATION NAME

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MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL		110	111	112	112	112	112	112	112	
MEAN	HUMIDITY	86.4	89.0	85.1	70.7	66.4	70.7	77.6	e 8	
	%06	28.5	43.8	23.2	0 . 8	5.4	10.7	4	15.2	
	%08	6.08	88	74.1	9.61	13.4	24.1	40,2	04.3	
ATER THAN	70%	98.2	61.3	5.86	8.05	35.7	80.9	74.1	95.5	
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	1.66	99.1	100.0	77.77	66.1	90.08	98.8	98.2	
OF RELATIVE	20%	99.1	100.0	100.0	4.96	90.98	93.8	58.2	100.0	
GE FREQUENCY	40%	100.0	100.0	100.001	89.1	00	1.66	100.0	100.0	
PERCENTA	30%	100.0	100.0	100.0	100.0	100.0	100.0	100,00	100.0	
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	10%	100.0	100.0	100.0	100.0	0,001	100.0	100.0	100.0	
HOURS	(L.S.T.)	10	40	0.1	10	es. —	16	1.9	22	
7		2								

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RELATIVE HUMIDITY

CHARLESTON, SOUTH CARDLINA NWSED

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

RELATIVE NO. OF HUMIDITY OBS.		20.5	29.8 87.5	29.8 87.5	29.8 87.5 19.4 85.1 2.4 69.9	29.8 87.5 19.4 85.1 2.4 69.9	29.8 87.5 19.4 85.1 2.4 69.9 3.2 67.5	20.2 29.8 29.8 87.5 2.4 69.9 4.0 75.0	20.2 20.2 29.8 19.4 87.5 2.4 69.9 4.0 4.0 75.0 81.8	20.2 20.2 20.2 20.4 20.4 20.4 20.4 20.4	20.2 20.2 20.2 20.4 20.4 20.4 20.4 20.4	20.2 20.2 20.2 20.4 20.4 20.4 20.4 20.4	20.2 20.2 20.2 20.4 20.4 20.4 20.4 20.4
	20.2 85.0												
20.5		5 29.8		19.4	75.2	4 4 6	4. 2. 6. 5. 6.	3.5	4. 4. 6. 5. 6. 4. 6.	4. 2. 6. 4. 01	19.4	4. 4. 6. 5. 6. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	19.5
	if	,		6.10									
0.96	4		\$. S &		41.9	29.0	29.0						
100.0		100.0	100.0		83.1	62.1	62.1	63.1 71.8 89.5	83.1 71.8 89.5 99.2	83.1 71.8 89.5 99.2	83.1 71.8 89.5 89.5	83.1 71.8 89.5 99.2	83.1 71.8 89.5 99.2
-	100.001	100.001	100.001		9.1.6	97.6	97.6	99.5	99.5	97.6	97.6	97.6	99.5
	100001	100.001	100.001										
200	100.001	100.001	100.001		100.001	1							
0/04	0.001	10000	100.001		0.001	1-1-	+		0.00	0.00	0.00	0.00	0.00
10%	100.0	100.0	100.0		100.0	100.0	100.0						
(1.5.1.)	01 1	04 1	07 1		10 1								
	JUL												

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STATION

CHARLESTON, SOUTH CAROLINA NWSED

STATION NAME

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	124	124	124	124	124	124	124	124			266
MEAN	HUMIDITY	68,0	61.6	6.68	74.3	60	73.5	80.1	86.1			4.
	%06	40.3	63.7	3.6	1.6	5.6	12.9	13.7	32.3			29.1
	80%	88.7	0.96	91.9	23.4	20.2	25.8	2.64	82.3		,	2001
ATER THAN	20%	100.0	100,001	100.0	61.3	37.9	55.0	8	0.10		2 0 0	1.01
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	100.001	100.0	100.0	91.9	67.7	0.7	4.86	100.0			N. 60
Y OF RELATIVE	20%	100.0	100.0	100.0	4.88	4.40	97.6	100.0	100.0		4	00°
GE FREQUENC	40%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0
PERCENTA	30%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100
	%01	100.0	100.0	100.0	100.0	100.00	100.0	100.0	100.0			100,0
HOURS	(L.S.T.)	10	0.4	0.7	10	13	16	19	22			ALS
HINOW		AUG									,	TOTALS

RELATIVE HUMIDITY

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CHARLESTON, SOUTH CAROLINA NWSED 13758

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MONTH 0.23

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	EATER THAN			MEAN	TOTAL
MONTH	(1.5.1.)	%01	20%	30%	40%	20%	%09	%02	%08	%06	HUMIDITY	OBS.
0. E. D.	01	100.0	100.0	100.0	100.0	100.0	99.5	8.80	94.2	5.65	90.2	120
	40	100.0	100.0	100.0	100.0	100.0	99.2	67.5	63.3	71.7	92.0	120
	0.7	100.0	100.0	100.0	100.0	100.0	100.0	51.6	2*96	\$0·	7.06	120
	10	100.0	100.0	100.0	100.0	66.7	90.09	65.0	35.0	2.6	75.3	120
	2	100.0	100.0	100.0	60 6	95.00	5,69	46.7	21.7	4.2	69.3	120
	91	100.0	100.0	100.0	99.2	95.8	27.00	50.00	26.7	0	72.2	120
	1.9	100.0	100.0	100.0	100.0	100.0	99.2	2.46	56.7	14.2	61.7	120
	22	100.0	100.0	100.0	100.0	100.0	100.0	68.39	81,7	34.2	87.0	120
101	TOTALS	100.0	100.0	100.0	7.66	96.5	93.1	€ . T @	65.9	31.1	82.3	960
	-	-			-	-	-	-	-	-		1

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MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-76

CHARLESTON, SOUTH CAROLINA NWSED STATION NAME

13758 STATION

TOTAL	OBS.	124	124	124	123	124	124	124	124		991
MEAN	HUMIDITY	84.3	85.7	87.1	70.7	8.00	63.8	73.9	82.5		76.4
	%06	35.3	38.7	39.8	7.3	3.6	10	6.3	28.5		20.02
	80%	4.60	71.0	78.2	26.8	14.5	14.5	40.4	29.7		m.
ATER THAN	%02	87.9	90.3	92.7	9.67	27.4	35	67.7	5.		9.099
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	4.86	96.8	4.86	75.6	4	54.0	50 50 50	96.8		51.7
OF RELATIVE	20%	5.66	100.0	5 66	61.6	70.2	30.6	97.6	2.66		92.2
GE FREQUENCY	40%	100.0	100.0	100.0	2.66	80.08	0.96	100.001	100,0		98.1
PERCENTA	30%	100.0	100.0	100,0	100.0	4.80	100.0	100.0	100.0		3.66
	20%	100.	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
HOURS	(L.S.T.)	0.1	90	0.7	10	13	16	61	2.5		TOTALS
112.10	WON I	10.1									101

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RELATIVE HUMIDITY

CHARLESTON, SOUTH CAROLINA NWSED 13758

STATION NAME

73-76

MONTH ADM NO

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100.0 98.3 100.0 100.0 100.0 99.2	50% 60% 97.5 89.	60% 70% 9.2 82.5		The second second second second second	DEI ATIVE	200
0 100.0 100.0 100.0 0 100.0 100.0 100.0 0 100.0 100.0 96.7 0 100.0 94.2 79.2 0 100.0 95.8 86.7 0 100.0 100.0 96.3		2 82.	%08	%06	HUMIDITY	OBS.
0 100.0 100.0 100.0 0 100.0 100.0 96.7 0 100.0 94.2 79.2 0 100.0 95.8 86.7 0 100.0 100.0 96.3			63.3	40 • 60	63.7	120
0 100.0 100.0 100.0 0 100.0 94.2 79.2 0 100.0 95.8 86.7 0 100.0 100.0 98.3		8 85 8	2.69	40.7	86.0	120
0 100.0 94.2 79.2 0 100.0 95.8 86.7 0 100.0 100.0 96.3 0 100.0 100.0 99.2	99.2 97	0.88	70.8	45.0	86.2	120
0 100.0 94.2 79.2 0 100.0 95.8 86.7 0 100.0 100.0 98.3 0 100.0 100.0 99.2	85.0 72.	5 50 8	26.7	12.5	70.4	120
0 100.0 95.8 86.7 0 100.0 100.0 98.3 0 100.0 100.0 99.2	63.3 42	30.00	100	6.7	0.64	120
0 100.0 100.0 99.2	64.2 51	7 37.5	22.5	10.0	62.7	120
0 100.0 100.0 99.2	97.5	67.5	48.3	50	77,3	120
	97.5 88	3 76.7	60.03	34.8	81.0	120
0 30 a 80	0 10	2.44	8.7.5	26.8	75.0	4

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SYLL REQ. AIR TEMP, VS. WIND DIR. JAN. 68

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RELATIVE HUMIDITY

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CHARLESTON, SOUTH CAROLINA NWSED 13758

STATION NAME

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73-76

MONTH 080

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	124	124	124	124	124	123	123	124		066
MEAN	HUMIDITY	81.3	81.9	83,2	72.3	62.2	0.49	75.4	0.61		73.0
	%06	35.5	61.9	38.7	20.2	13.3	17.1	22.0	65.		27.4
	%08	58.1	58.9	60.5	36.7	8.5	5.85	46.3	51.6		46.1
ATER THAN	70%	78.2	71.8	77.4	83.2	36.3	42.3	0.50	71.0		6119
HUMIDITY GRE	%09	86.3	89.8	94.46	4.69	54.0	53.7	75.6	84.7		76.0
OF RELATIVE	20%	96.8	97.6	99.2	89.5	64.8	72.4	87.0	61.9		67.4
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	40%	89.2	100.0	100.0	96.0	62,3	84.6	4°86	99.2		0.86
PERCENTA	30%	100.0	100.0	100.0	100.0	0.00	4.	100.0	100.00		6.66
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.00	100.0		100.0 100.0
HOURS	(L.S.T.)	10	90	0.7	10	13	16	19	22		ALS
DEIXON	E NOW	230									TOTALS

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RELATIVE HUMIDITY

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13758 CHARLESTON, SOUTH CAROLINA NWSED

STATION NAME

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN
20% 30% 40%
100.0 100.0 99.6 96.
100.0 99.9 97.5 90
100.0 99.9 97.9 9
99.8 97.0 9
100.0 100.0 99.2 9
100.0 100.0 100.0
100.0 100.0 100.0 99.
100.0 100.0 100.0 100.0
100.0 100.0 100.0
100.0 100.0 99.8
100.0 100.0 98.8
100.0 100.0 99,3
100.0 100.0 99.1 96.4

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FREQUENCY OF AIR TEMPERATURE	
AIR	
OF	
FREQUENCY	VS.
PERCENTAGE	

TOTAL STREET STREET

WIND DIRECTION

JANUARY FESRUARY 73.DECEMBER 76 CHARLESTON. SOUTH CAROLINA NWSED 13758 77

					WIND DIRECTION	CTION					
TEMP.	NN S	N N N	ENE ® E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW 8	CALM	TOTAL FREG.	% OF TOTAL
122+											
117 10 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 10 96											
87 TO 91											
82 TO 86											
18 01 77						66.7	22. 2	1111		3	1.2
72 TO 76			4		10		24.1	17.2	10.3	29	0
67 TO 71			1 7		33.3		26.7	6.7	3.3	60	30
62 TO 66	2.0	0.9		id \	12.1		20.	9	15.2	56	13.3
57 TO 61	E S	3			17.0		17.0	9	17.0	135	1.6.1
52 70 56	12.5	8.0			0		16.1	9	26.8	112	1.5
47 TO 51	27	7 . 1		C	6.1		11.1	1111	21.2	55	13
42 TO 46	26.1	25.0	40		4	273	17.4	12.0	4.3	36	12.4
37 TO 41	31.6	19.3			60		14.0	21.1	en en	5.5	7.7
32 TO 36	30.6	25.0					33	19.4	11.1	36	90
27 TO 31	50.0	35.7						7.1	7.1	16	1.9
22 10 26	50.0	30.0								7	.9
17 10 21											
12 TO 16											
7 10 11											
2 70 6											
-3 10 1											
-9 10-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 TO-34											
-43 TO -39											
-48 TO-44											
-53 TO-49											
-58 TO-54											
-59 & LWR											
TOTALS	15.1	0 5	\$ C	2.3	10.0	16.1	16.5	10.9	14.5	744	744 100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

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WIND DIRECTION

27

FEBRUARY

CHARLESTON, SOUTH CAROLINA NWSED FEBRUARY 73-DECEMBER 76

904 100.0 % OF TOTAL FREG. 12.8 22.1 17.6 9.9 18.8 4.2 11.4 CALM 4 9 9 9 9 2 8 50 50 50 50 50 0 WNW & NW 8 3 4 6 6 4 0 0 0 20.9 WSW 8 W 18.9 SSW 8 SW DIRECTION 5.6 2233 MIND SSE 2222222 3.7 ESE & SE 8.5 ENE 8 E 4. -Z Z % 13.5 28.27 54.0 ≥ z z z ø -38 TO -34 -43 TO -39 -28 TO-24 -18 10-14 48 10-44 13 TO -9 33 10-29 53 TO-49 -23 10-19 12 TO 116 102 TO 106 92 TO 95 77 70 81 52 TO 56 47 TO 51 32 70 36 22 TO 26 12 TO 16 -3 10 1 -8 10-4 82 TO 86 17 07 79 62 TO 66 42 10 46 37 TO 41 27 TO 31 7 10 21 2 70 6 72 10 76 57 TO 61 7 10 11 TEMP.

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130.50 130

100.0

2 10 6

22 TO 26

14,3

14.3

82 70 86

16 01 78

77 TO 81 72 TO 76 67 TO 71 62 TO 66 57 TO 61 52 TO 56 47 TO 51 42 TO 46 37 TO 41 32 TO 36 27 TO 31

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r :

							8.6
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							21.6
							10 10
							8.0 12.2
							0

-18 TO-14 -23 TO-19 -28 TO -24 -33 10-29 -38 10-34

-13 10 -9

-8 TO-4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

PESRUARY 73_DECEMBER WIND DIRECTION CHARLESTON, SOUTH CAROLINA

ALL

MARCH

% OF TOTAL

TOTAL FREQ.

WN W W N W

wsw 8 w

SSW 8 SW

SSE & S

ESE & SE

ENE ENE

Z Z &

3 Z 8

117 70 121

122+

102 TO 106

111 07 701

97 TO 101

95 10 96

WIND DIRECTION

200

13758

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2.0

-48 10 -44 -53 TO -49

58 TO-54

-43 10 - 39

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

73-DECEMBER FEBRUARY NWSED

CHARLESTON, SOUTH CARDLINA

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ALL

% OF TOTAL

FREG.

CALM

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76

MIND

Z Z S

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WSW 8 W DIRECTION

SSW 8 SW 55E

02 TO 106

7 TO 101

92 10 96

17 10 121

122+

72 TO 76 10 71 62 TO 66 10 61

77 TO 81

100001

3.0 10.3 16.0 24.4

10.0 11.0 22.0 22.0 22.0 22.0 22.0 22.0

10 56

47 TO 51

TO 41

32 10 36 27 10 31 TO 26

42 TO 46

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15.4 14.4

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13 10 -9

-3 10 1 -8 TO-4 18 10-14 -23 TO-19 -28 TO-24 33 10-29

-38 TO-34

-43 TO -39

-48 TO-44 -58 TO-54 .

TOTALS

6.9

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

FEBRUARY 73.DECEMBER 76 CHARLESTON, SOUTH CAROLINA NWSED

MAY

				>	WIND DIRECTION	CTION					
TEMP.	3 Z W	N N N N N N N N N N N N N N N N N N N	8 E	ESE & SE	SSE & S	SSW 8 SW	WSW 8 W	WNW WN %	CALM	TOTAL FREG.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 701 111											
102 TO 106											
97 TO 101											
92 TO 96	20.0				20.0		0.04	20.0		3	.5
87 10 91	40				14	17.9	46.4	14.3			2.8
82 TO 86	6.7		0.8	5.3	30.7	en en	33.3	50			7.6
77 10 81	2.1	150	100	7.7	28.7	27.7	23.6	4.1			19.7
72 TO 76	EU.	60 63	60	60 50	60 60 60	21.0	11.0	4,1	7.3	318	32.2
17 07 79	- CO	12.3	3.6	4.	200	9.6	12.8	9.9			24.5
62 TO 66	14.8	15.7	0.00	8 . 8		4 3	18.1	6.0	~		9
57 TO 61	33.3	23.3				60	3.3	13.3	and.		3.0
52 TO 56	75.0	(2)						16.7		1.2	1.2
47 TO 51	50.0	50.0								2	. 2
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 10 21											
12.10.16											
7 10 11											
2 70 6											
-3 TO 1											
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-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO -29											
-38 TO-34											
-43 10-39											
-48 TO-44											
53 10 49											
58 TO54											
-59 & LWR											
TOTALS	60	6.5	0 8	2.0	22.2	10.2	17.2	100	7.1	366	992 100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

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WIND DIRECTION

FEBRUARY 73.DECEMBER 76 CHARLESTON, SOUTH CAROLINA MMSED

122 + 117 TO 121 112 TO 116 107 TO 111	≥ z × ×	ZZ	2002								
122 + 117 TO 121 112 TO 116 107 TO 111		& NE	2 × EN	& SE	SSE SS S	S SW	% % % % %	% X X &	CALM	FREQ.	TOTAL
117 TO 121 112 TO 116 107 TO 111											
112 TO 116 107 TO 111 102 TO 106											
107 TO 111											
102 TO 106											
97 TO 101											
92 10 96							62, 5	25.0	1	ග	
16 OT 78	2.1	2.1			60	B4 CV	30.6	80	4.2	3	2
82 TO 86	6.0			9.7	32.4	11.0	16.8	60		173	
77 TO 81	٠. د.			11.0	32.1	16.1	12.7	2.0	7.	299	
72 TO 76	14.0		0	2.8	20	0.0	6	7.0	~	343	
17 07 79	31.0			5.6		4	6 6		6.6	7	4.1
62 10 66	65.0									1.4	5.5
57 TO 61	75.0									4	4.
52 70 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 10 36											
27 TO 31											
22 TO 26											
17 10 21											
12 TO 16											
7 TO 11											
2 10 6											
-3 TO 1											
-8 10-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 TO-34											
-43 TO-39											
-48 TO-44											
-53 TO -49											
-58 10-54											
-59 & LWR											
TOTALS	17.1	0.01	3.4	0.0	25.2	11.1	(F)	0.0	10.9	260	100,0

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101 07 76

102 TO 106

77 10 81 72 TO 76 67 TO 71

62 TO 66

117 TO 121

122+

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

13758

CHARLESTON, SOUTH CARCLINA NWSED

73-DECEMBER FEBRUARY

100

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1.9 26.8 42.2 16.8 992 100.0 % OF TOTAL 114 260 419 167 TOTAL FREQ. 4.6 CALM 200000 4.7 WNW WNW 356 3 25 4 14 7 15 6 15 6 17.7 W5W 8 W 0.53 WIND DIRECTION S SW 2 2 2 3 2 2 3 3 2 3 3 3 17.2 \$ S & S 107 120 4 3 ESE 8. SE N 0 0 0 M 7 ENE 8 E & • 20.4 N N S 3.0 14.3 5 2 5 N N N -33 TO-29 -18 TO-14 -23 TO-19 -48 TO-44 -38 10-34 13 10 -9 -28 TO-24 -43 TO -39 -53 TO-49 -58 TO -54 TOTALS 82 TO 86 -3 10 1 47 TO 51 22 TO 26 -8 TO-4

37 TO 41 32 TO 36 27 TO 31

42 TO 46

The state of the s

17 TO 21

12 TO 16 7 10 11 2 10 6

PERCENTAGE FREQUENCY OF AIR TEMPERATURE		
PERCENTAGE FREQUENCY OF AIR	TEMPERATURE	
PERCENTAGE FREQUENCY OF	AIR	
PERCENTAGE FREQUENCY	OF	
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WIND DIRECTION

CHARLESTON, SOUTH CAROLINA NWSED

FEBRUARY 73-DECEMBER 76

ALL

TEMP.	≥ z ≥ z	NNE NE NE	e ENE	ESE & SE	SSE SSE	SSW 8 SW	wsw w	> × × ×	CALM	TOTAL FREQ.	% OF TOTAL
122+											
17 10 121											
112 TO 116											
107 TO 111											
02 TO 106											
101 01 26											
92 TO 96					25.0	80	25.0	6.3	12.5	10	3.6
87 TO 91	3.6	7.9	2.2		27.0	57	10.1	4.5	10.1	68	0.6
82 TO 86	6.0		11.97		24.8	22	11.2	4.7	4.2	214	
18 01 77	50		00		14.9	20.3	14.39	50 50	œ •	300	
72 TO 76	25.6		2.		5.7	4.0	\$ 503	us)	13.2	227	22.5
17 07 79	41.3		4			en.	2.2	13.0		04	4.6
62 TO 66						100.0				~	
19 OT 78											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 10 11											
2 TO 6											
-3 70 1											
-8 TO-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 TO -34											
-43 TO-39											
-48 TO-44											
-53 TO -49											
-58 1054											
-59 & LWR											
TOTALS	13.6	13.	1 - 1	0		5 6 F	100	4	C	000	VVV

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

TO LAND THE PARTY OF THE PARTY

WIND DIRECTION

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73-DECEMBER 76	YEARS
FEBRUARY	
TH CAROLINA NWSED	FION NAME
HARLESTON, SOUT	STAT
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SEPTEMBER

TEMP.	≥ z z ×	NNE 8 NE	ENE & E	ESE & SE	SSE & S	SSW & SW	wsw & w	% N % % N %	CALM	TOTAL FREG.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
101 01 76											
92 10 96			20.0			50.0				V	2.
16 01 78	2.9		14.7		23.5	14.7	14.7	11.8		34	3.5
82 70 86	9.2	11.3	12.1	20	27	0.01	11.3	~	6.3	142	14.8
18 01 77	00		(F)		20.1	17.7	0	80 N	8.7	286	30.0
72 10 76	19.9		10.6		· C	10.0	9.6	60 60	20.3	317	32.4
17 07 79	34.8		20		65°);	6.5	5.00	4.3	7.6	132	13.03
62 70 66	50.0							16.7	5.6	36	3.6
57 TO 61	71.4									1.4	150
52 TO 56	100.0									~4	. 1
47 TO 51											
42 10 46											
37 TO 41											
32 10 36											
27 TO 31											
22 10 26											
17 10 21											
12 70 16											
7 TO 11											
2 70 6											
-3 10 1											
-8 TO-4											
-13 TO -9											
-18 10-14	4										
-23 TO-19	0										
-28 10-24	3										
-33 TO -29	6										
-38 10-34	4										
-43 TO -39	6										
-48 TO-44	14										
-53 TO-49	6										
-58 TO-54	24										
-59 & LWR	00										
TOTALS	18.1	17.2	10.4	50	13.0	11.4	4.0	4.00	11.4	960	960 100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS. WIND DIRECTION

	1
FEBRUARY 73_DECEMBER 76	YEARS
CHARLESTON. SOUTH CAROLINA NESED	STATION NAME
	1

111.1 111.1	TEMP.	≥ z z z ≈	N N N N N N N N N N N N N N N N N N N	® E E	ESE & SE	SSE SSE	SSW 8. SW	× 8 × ×	WNW WN &	CALM	TOTAL FREQ.	% OF TOTAL
10 10 10 10 10 10 10 10	122+											
11 3 16 2 2 2 2 2 2 2 2 2	7 70 121											
11 1 1 1 1 1 1 1 1	112 TO 116											
1	111 07 701											
1	102 TO 106											
11.3 16.7 26.7 13.3 15.3 15.0 26.7 13.3 15.0 2 15.3 15.3 15.0 2 15.3 15.3 15.0 2 15.3 15.3 15.0 2 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3	97 TO 101											
22.0	92 TO 96											
16.7 20.0 20.7 20.0 20.7 20.0 20.0 20.0 20	87 TO 91	1	100		1	1		1				
11.0 1 10	82 TO 86	6.7	50.	500	20.1	(c)		6.1	1	1	-	-6
21. 81. 13. 4 11. 13. 4 11. 13. 13. 13. 13. 13. 13. 13. 13. 13.	77 TO 81	*	6.0	0	100	21.3	3 0	10.0	-	-	000	0 0
25.1 12.2 11.1 4.5 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	72 TO 76	CO.	*	1	5	10.1	0.4	0	~	10.3	114	
22.0 23.1 3.4 .5 1.4 15.8 17.4 14.0 120.0	TO 71	23.1	15.5	11.	4	10.0	9.0	60	9.0	0 1 1	77	24.
25.6 4.3 10.8 17.3 10.8 13.4 25.6 4.3 10.8 13.4 13.4 13.4 13.4 13.4 13.4 13.4 13.4	10 66	32.0	52.1	3.4	5	2.5	3.4	10.8	7.4	14.03	503	20.1
25.6 31.5 5.5 3.6 31.5 3.6 31.5 3.6 31.5 3.6 31.5 3.6 31.5 3.6 31.5 3.6 31.5 3.6 31.5 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	10 61	30.0	9.08 98	6.3		7.0	0.	S .	17.3	10	138	14.0
25. 25.6 41.0 5.1 5.2 15.4 7.7 39 25.0 5.1 5.0 5.1 15.4 7.7 39 25.0 5.1 5.0 5.1 5.1 5.1 5.4 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1	10 56	35.6	31.5	5				8	1 1	100	7.	7.6
23.6 42.9 13.1 20.0 80.0 23.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	10 51	25.6	41.0	5.1				3.1	15.4		39	50
25 20.0 50.0 50.0 50.0 50.0 50.0 50.0 50	TO 46	23.8	42.9					14.3	0.0		21	N
36 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	10 41	20.0	80.0								r,	•
24 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	10 36											
25 20 20 20 20 20 20 20 20 20 20 20 20 20	10 31											
23	10 26											
23.2	10 21											
24 25 26 27 27 28 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	2 TO 16											
2.4 2.4 2.2 2.2 2.3 2.3 3.3 3.4 3.4 3.4 3.4 3.4 3.4 3	TO 11											
25 25 26 27 27 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	TO 6											
24 25 26 27 27 27 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	3 70 1											
	8 TO-4											
	13 TO -9											
	18 TO-14											
	23 TO-19											
	28 TO-24											
	33 TO-29											
	38 TO-34											
	43 TO-39											
	48 10-44											
	53 TO-49											
COO 7 4 4 4 5 5 5 5 5 7 6 5 5 5 6 7 7 6 5 5 5 6 7 7 6 5 5 6 7 7 6 5 6 7 7 6 7 7 6 7 7 7 7	58 10-54											
	59 & LWR		* ***	100			- 4	4				

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					WIND DIRECTION	CTION				
TEMP.	× z × ×	NNE NE NE	ENE E E	ESE & SE	\$ 5 E	SSW & SW	W 5 W W 8	NN	CALM	TOTAL FREG.
122+										
117 TO 121										
112 TO 116										
107 TO 111										
102 TC 106										
97 TO 161										
92 TO 96										
87 TO 91										
82 TO 86				3333	66.7					
77 TO 81	14.03				14.3	81.6	21.4	7.1	-	
72 TO 76	20			60	17.6	2.9	22.1	1.5	7.4	
67 TO 73	60			6	16.6	23	6 4	in.	0.6	
62 TO 66	11.5			ক	11.5	15.5	0	4.7	18.2	
57 TO 61	16.0			2.6	7	11.5	16.7	(C)	16.0	_
52 TO 56	25 7		4.6		50	6.6	1.0.1	14.5	11.8	
47 10 51	0.50			60		0. 4	16.3	10.6	16,3	123
42 TO 46	20						22.2	13.1	1.5	
37 TO 41	22.0	100		\$. Ex.			9	17.1	17.1	
32 TO 36	27.3		0				0	36.4	6	
27 TO 31										
22 TO 26										
17 10 21										
12 TO 16										
7 TO 11										
2 70 6										
-3 TO 1										
-8 10-4										
-13 TO -9										
-18 10-14										
-23 10-19										
-28 TO -24										
-33 10-29										
-38 TO-34										
-43 TO -39										
-48 TO-44										
-53 TO -49										
-58 TO-54										
-59 & LWR										

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STO MEEQ. AIR TEMP. VS. WIND DIR. JAN. 68

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TEMPERATURE	
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PERCENTAGE FREQUENCY OF AIR TEMPERATU	.57
AGE	
PERCENT	

WIND DIRECTION

CHARLESTON, SOUTH CARDLINA NWSED REGRUARY 73-DECEMBER 76

ALL

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					WIND DIRECTION	ECTION					
TEMP.	≥ z × ×	N N N N N N N N N N N N N N N N N N N	ENE 8 E	ESE & SE	SSE & S	SSW 8 SW	W S W	WNW W	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	2.0		2.0					16.0		50	
87 TO 91	4	4.9	4.5					10.2		313	2.7
82 TO 86	3.0	10	0					4.5		505	
77 TO 81	0.9	7.8	8.6					4.6		1772	-
72 TO 76	3.5	13	13 4					3.6	_	1041	
67 TO 71	13.2	12.0	00	2. 7	15.8	16.0	16.5	5.6		1433	
62 TO 66	11.0	0	0.					57		1307	
57 TO 61	13.8	10.3	0.0					8 8	13.1	1400	
52 TO 56	17.9	5 5	6					11.5		921	6.1
47 TO S1	22.4	(E)	6.1					12.7		169	
42 TO 46	24.7	0	4 . 3					16.0		530	
37 TO 41	24.6	10.7	0					12	11.1	305	2.7
32 70 36	28.8	16.3	203 273					24.0	11.5	104	6.
27 TO 31	47.2	26.4	(3)-				(E)	200	7.5	53	4
22 TO 26	42.9	-0								,	.~.
17 10 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 70 1											
-8 10-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO -29											
-38 TO-34											
-43 TO - 39											
-48 TO-44											
-53 TO -49											
-58 10-54											
-59 & LWR											
TOTALS	13.2	7	00	**	13.5	(1)	16.5	7.7	10.8	11440	11440 100.0

NWSED, Federal Building Asheville, N. C.

PRESSURE SUMMARY

PART F

for all hours combined. All years of data available are combined in both of these tables, although the overall of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding Presented in this part are two tables giving the means, standard deviations, and total number of observations to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.

		7	E	9		®	3	F	
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		=	F				4	E	
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STANDARD DEVIATIONS MEANS AND

SEA LEVEL PRESSURE IN MBS FROM MOURLY UBSERVATIONS

SOUTH CARDLINA NWSED	STATION NAME
CHARLESTON, S	
13758	STATION

73-76

10	616.3	1020.0201	17.91016.81018.9102	1016.8	1017.9	1016.6	1015.9	1014.7	1017.4	1017.61	1019.010	1020.	MEAN	
A	DEC.	NOV.	OCT.	SEP.	AUG.	JUL.	JUN.	MAY	APR.	MAR.	FEB.	JAN.		-

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
10	S. D. TOTAL OBS	5,581	0.990.0	5.931	1017.4 6.346 120	1014.7	3,826	00	2.956	3,640	5.410	0-0	7.086	5.372
30	S. D. TOTAL OBS	1020.71018 5.759 6.06	IN ON IN	6.146	6.199	4.251	3.813	3,485	2.947	3,580	5,484	5,106	6.909	5.417
7.0	S. D. TOTAL OBS	1021.3)	6.192	1018.1 6.068 124	1018.6 6,389 120	4.311	3.857	3,582	2.897	3,670	5,570	1020.8 5.197 120	1020.0 6.888 124	5.437
01	S. D. TOTAL OBS	1022.7	6.488	6.267	6.431	4.435	3.870	3.642	2.985	3,733	1020.4 5.740 124	5,336	6.907	5.608
4	S. D. TOTAL OBS	1020.7101 6.209 6.	9.1	6.446	6.493	4.357	3.949	3.717	2.988	3.774	5.742	5,414	7.007	5.553
16	MEAN S. D. TOTAL OBS	1019.9	6.687 112	1016.1 6.451 124	1016.8 6.371	4.302	4.015	3.656	2.995	3.856	5.605	5,315	6.929	5.542
19	S. D. TOTAL OBS	1020,81018 5,863 6.8	4 00 00	1016.6 6.285 124	017.0 6.159 120	4.205	3.884	3.649	2.937	3.692	5.483	5,172	1019.2 6.847 124	5.529
22	MEAN S. D. TOTAL 08S	5.577	6.484	5.884	6.253	4.156	3.802	3.541	2.879	3.667	5.544	5,122	6.893	5.378
ALL	S. D. TOTAL OBS	1021.01019.0 5.913 6.469 744 901		6.225	0.359 6.359	4.324	3.904	3,633	3.011	3.754	5.595	5.265	6.951	5.522

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY DESERVATIONS

STATION			STA	TION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	30,13730	0.0793	100	034	0	6.0	0	0.0	10.0	0.07	0.11	60.0	*0
0.1	S. D.	.165	181	.175	187	.125		102		.107	150	.152	.209	.158
	TOTAL OBS	5	113	12	2	N	12	12	2	12	2	12	12	4
	MEAN	30.13330.066	0.0663	-	023	45	9.97	9.99	C	6.6	0.00	0.10	0.08	03
40	S. D.	171	200	1.00	55	.136	113	0	0.86	108	161	.152	.20	.16
5	TOTAL OBS	66	113		120	124	200	124	124	120	124	150	124	1430
	MEAN	30.14930.093	0.0933		0.068	29.9733	00.0	0.02	0.06	0.02	0.097	10	0.10	90
20	S. D.	178	184	-	100	2	-	01.	00	0				.16
	TOTAL OBS		11	124	120	124	120	124	124	120	12	12	12	1430
	MEAN	30.19030.1263	0.1263	0.08	0.087	(32)	0.0	0.0	0.08	0.0	0,12	0.16	0.14	03
0	5. D.	1.00	6.0	000	1.00	•	8	107	00	-	-	57	20	.16
	TOTAL OBS	0 m	112	124	120	2	120	124	124	120	12	150	124	1429
	MEAN	30.13130.082	0.0823	90.04	0.057	-0	00 0	0.01	0.06	0.02	0.08	0.1	0.08	0
10	S. D.	.184	197	.190	191	.129	.117	.110	.086	.1111	100	.160	.207	.164
	TOTAL 085	60	112	12	N	2	12	2	12	N	N	~	2	42
	MEAN	30,11030,040	0.0402	6.6	0.015	EN	9.97	86.6	0.02	96.6	160.0		0.06	10
10	S. D.	.179	.198	•	.187					.114				163
	TOTAL OBS	60	112	12	12	2	2	2	2	12	12	2	2	N
	MEAN	30,13530,062	0.0623	0.01	0.021	te.	6	96.6	0.0	6.6	0.073	30,1063	0.0	03
0.	S. D.	.174	202		00	N	•	O	80	0	C	3	0	10
	TOTAL OBS	93	113	12	150	124	2	124	12	12	12	12	27	1430
	MEAN	30,15430,0863	0.0863	0	047	29.9643	0	0.0	0.000		0.093	30,1203	0.1	30.05
22	S. D.	.165	.193	.17	00	N	-			0	0	28	0	15
	TOTAL OBS	0	17	~		N	27	12	12	2	12	77	2	4
111	MEAN	30,14230,079	10.0793	0.0	4	5	6	00.00	10	10.0	0.082	7	0.09	0
HOURS	S. D.	_	.192	. 184	187		.116	. •	.087		2	.136	.205	.10
	TOTAL OBS		901	66	0	3	0	66	66	96	9	96	66	3

MARIA